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MUNICIPAL REGISTER

OF THE

11965-7

CITY of HOLYOKE

FOR 1902.

Containing the Mayor's Address, City Government Roster, Annual Reports, Etc.

Published by Order of Board of Aldermen.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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CITY OF HOLYOKE.

In Board of Aldermen, January 5, 1903.

Ordered, That the Mayor be and he is hereby requested to furnish a copy of his Inaugural Address for publication with the City Documents.

Adopted.

JOHN F. SHEEHAN, Clerk.

Mayor's Office, January 13, 1903.

Approved.

ARTHUR B. CHAPIN, Mayor.

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CONTENTS.

Mayor's Address,	5
City Government, 1903,	15
Standing Committees of the Board of Aldermen,	17
City Officers,	18
Fire Department,	30
School Committee,	33
Election Officers,	35
City Government, 1902,	40
Report of the Water Board,	41
Report of Fire Commissioners,	71
Report of the School Department,	97
Report of the Board of Health,	153
Report of the Board of Park Commissioners,	185
Report of City Treasurer,	213
Report of City Engineer,	225
Report of the Board of Public Works,	253
Report of the Overseers of the Poor,	279
Report of the City Auditor,	289
Report of the Board of Assessors,	309
Report of the Police Department,	315
Report of the City Solicitor,	325
Report of the Tax Collector,	330
Report of the Inspector of Milk, Vinegar and Petroleum,	334
Report of the Inspector of Provisions,	337
Report of the Sinking Fund Commissioners,	338
Ordinances,	340
Jury List for 1903,	347
City Government, from 1874 to 1903,	368

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MAYOR'S ADDRESS.

Gentlemen of the Board of Aldermen:—

The past year has been an eventful one in the municipal history of Holyoke. Progress has been made in almost every line and with the members of the different Boards and Departments working in harmony, the tax payers have received full value for the money expended. As the city grows the municipal problems increase, requiring our best efforts for its advancement.

During the past four years the city has not been compelled to borrow money to pay its running expenses. For this year again the report of the City Auditor shows a balance on hand, notwithstanding the unexpected expenditure of about $13,000 due to the epidemic of small-pox.

FINANCIAL STATEMENT.

It is not necessary to give in full the statement of the City Auditor which is published each month. The net bonded debt of the city for the past five years is as follows, viz:—

Dec. 1, 1898, the net bonded debt of the city was	$1,603,990.34
Dec. 1, 1899, the net bonded debt of the city was	1,462,771.00
Dec. 1, 1900, the net bonded debt of the city was	1,593,417.00
Dec. 1, 1901, the net bonded debt of the city was	1,494,929.00
Dec. 1, 1902, the net bonded debt of the city was	1,451,946.06

A decrease during the past year of $42,983 and during the past four years of $152,054. The increase of December 1, 1900, was caused by the borrowing of $150,000 for the erection of three school houses and by the withdrawal of $34,000 from the Sinking Fund of the Water Department for a new service

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system. Since December 1 last, our debt has been increased by the issuing of $720,000 in bonds for the purchase of the gas and electric light plants. The total valuation of the city on May 1, 1902, was $40,739,210. Our tax rate was $16.00 on the thousand. The assessed valuation of the property belonging to the city was $3,696,963 showing an excess of assets beyond liabilities of $1,525,017.

MUNICIPAL GAS AND ELECTRIC DEPARTMENT.

This year for the first time the gas and electric department becomes a reality. The long and tedious litigation has been closed and the gas and electric plants acquired from the Holyoke Water Power Co. at a valuation made by the Commissioners of $706,543 together with legal expenses and costs of $107,273 making a total cost of $823,816.00.

It now depends to a large measure upon the interest taken by the citizens in these plants, whether municipal ownership in Holyoke shall be a success or a failure. The gas plant is in a fair condition and with the expenditure of possibly $5000 will be suitable for the demands of the immediate future. The electric department, however, has reached the limit of its capacity and it is a problem as to how the increased demands can be best met without a large expenditure of money. The best policy seems to be a gradual reorganization of the plant along the most approved lines. This cannot be done at once and should be done as our income permits. Additional capacity must be supplied immediately, however, to meet the present demand, the number of our street lights should be increased and the present antiquated style of lamp changed to the enclosed arc, giving both better lighting and greater economy in maintenance. To make the necessary additions will cost about $25,000. The most difficult part of the electric problem comes from the impossibility of storing electricity. We must produce it as fast as it is wanted, therefore must have power enough for the greatest demand which is only from sunset until the stores are closed and then only for two nights each week. In this way as much power and machinery

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are required as if the greatest demand were constant. As we pay for twelve mill powers of water whether in use or not and as we must have sufficient machinery for the greatest demand which will be used only a small fraction of the time, we will have considerable surplus capacity, except for a few hours each day. Hence it is necessary to dispose of this surplus power in the day time for business purposes. From seven o'clock at night until the next morning there will be also a surplus capacity and idle machinery except for two nights each week when the stores are open. All this power probably cannot be sold so it will be good policy for the city to use it in some inexpensive way. It may be well to use it to light up some of our alley ways and especially dark places near the center of the city. This extra power might be sold to our merchants who desire to make a display for advertising purposes as is done in many cities, to be used only after business hours.

Under the law we are compelled to charge off each year five per cent for depreciation and pay each year an installment of our bond issue of $24,000 in addition to 3½ per cent interest. It can readily be seen therefore that the most careful management is required in order that this department may prove successful. The increased demands should be met as fast as the earnings from the plants will permit.

SCHOOLS.

The School Department the past year has been subjected to considerable criticism because of the retrenchment in expenditures which has been made by dropping certain of our supervisors. Opinions differ as to the wisdom of the removal of all the supervisors, on the ground that the best opportunities are not thus afforded the scholars for advancement.

The cost of our schools was the highest per pupil of any city in the State except Newton and Springfield, showing that something was radically wrong in our expenditures in that department as compared with other cities in the State. The cost per

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pupil based on average membership for the year 1900 was $33.87. For the year 1901 $32.60, while the cost for 1900-1901 in

Fall River	was	$22.47,
Chicopee	"	22.63,
Lynn,	"	25.00,
Lawrence,	"	25.30,
New Bedford,	"	25.84,
Northampton,	"	26.45,
Haverhill,	"	26.52,
Worcester,	"	28.46,
Lowell,	"	28.68,
Springfield,	"	34.56.

Most of these are manufacturing cities similarly situated in many ways. There are many things our schools would receive benefit from which we cannot afford if introduced, for the educational department is but one of the many in our city and we cannot extravagantly advance this at the expense of the others. In all our departments our expenditures should be proportionate to our income. The School Committee should keep close watch however to see that no curtailment of expenditure results in any detriment to the education of the scholars. The expenditures this year have been decreased so that the cost per pupil was $31.53. Any attempt to make political capital out of an honest effort of the School Committee to do what in their judgment is for the best interests of the city is not to be commended. Our School Department is not managed with the idea of furnishing positions for any one, but solely for the best interests of the pupils.

We have an efficient corps of teachers who are working faithfully under the earnest direction of Mr. L. P. Nash for the welfare of our schools. The school accommodations in Ward 2 are inadequate and this year they should be remedied as it seems to me they can be at no great expense, by an addition to the Sargeant Street Building, the plans for which are practically completed. The average membership of pupils last year was 6,012. I wish to again suggest that when an opportunity occurs one principal can look after two schools without any detriment to the department. Other cities have tried the plan successfully.

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POLICE DEPARTMENT.

The criticism of the Police Department this past year has been less than for several years. Practically all of it directed still against the enforcement of laws relating to the sale of intoxicating liquors. The number of licenses granted to hotels has been decreased and the result seems to me an improvement. There is still room for a better observance of the law by those who receive licenses. The License Commissioners should more frequently inspect the places where licenses are held and maintain a closer supervision of the manner in which these places are conducted. There has been more harmony in the ranks of the members of the Police Department than formerly, which naturally results in a greater efficiency. Our competent City Marshal and his assistants have attended carefully to the duties of the department. The difficulties of their position however are little appreciated by the average citizen, who while ever ready to criticise neglects to commend. The public believe in an enforcement of the existing laws and proper observance of the Sabbath, and it should be the aim of the Police Department and License Commissioners to see that this is brought about. Where a violation of the law is found the license should be at once revoked. The result will prove beneficial.

FIRE DEPARTMENT.

The Fire Department has kept to its high standard of efficiency. In a loss of only $29,149.19 worth of property, there was a net loss of $1,388 to the owners after insurance losses were adjusted.

The permanent force has been on trial during the past year and has proven satisfactory. Its efficiency was especially tried in the fire in the Marble Block, where it is safe to say the loss would have been greater had the former system been in vogue. A strong effort was made during this year to sell the High Street Engine House, but the difference between the price we could obtain and the cost of a new house made the change at the present time seem inadvisable. For several years past there

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has been a reasonable request from the older members of the department for an increase in their pay. It seems to me that a system graded on the length of service in the Department would be acceptable to the men and should be adopted. I would recommend that the Fire Commissioners adopt such a plan if their appropriation will permit. The Fire Commissioners make several recommendations in their annual report which are worthy of consideration.

BOARD OF PUBLIC WORKS.

The Board of Public Works makes its usual good showing. The improvements made under its direction have all been for the advantage of our city. Two additional Bath Houses have been constructed, making four now owned by the city and more than in any other city in the State outside of Boston.

During the season nearly 45,000 persons have patronized these for bathing purposes, or nearly 2,000 persons per day during July and August, showing that the public appreciate them. A new bridge has been constructed on Main street, probably one of the strongest bridges in the State, and at a cost of but $11,569 one-half of which was borne by the Street Railway Company. The plans for this were made by our efficient City Engineer and its construction was made possible by the permission obtained from the Holyoke Water Power Company to put extra supports in its canal. It has been a surprise to engineers that an iron bridge with brick pavement could be constructed at such a minimum cost. Dwight street has been paved with bituminous macadam and with vitrified brick, Lyman street and Cabot street paved and the streets throughout the city kept in good condition.

BOARD OF HEALTH.

The members of this Department have been compelled to face a most trying situation. Small-pox visited us and had it not been for the vigilance and efficiency of the members of the Board we would have suffered more severely. They have worked hard and faithfully and merit the commendation of all citizens for their watchfulness.

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WATER DEPARTMENT.

The plan of paying the Water Department for all water used by different Departments was tried this year for the first time and the Departments paid $10,231.26, but the Water Department has turned over to the Sinking Fund Commissioners $20,000 under a special act of the Legislature as its share towards the payment of our city debt. While the balance thus seems to be against the Water Department, I understand the wasting of the water used by the city departments has been cut down so that the consumption is only about 50 per cent of what it formerly was. This would make the commercial value about balance. The Water Department pays at the same rate now on its construction account of $1,250,000 as the tax payers of the city. The high service system has been advanced and should be finished by another season.

PARK DEPARTMENT.

The report of the Park Department has been very carefully drawn and contains an itemized account of the expenditures so that the public can see that the appropriation has been wisely expended. In a city with as many working people as we have the Park Board should be one of our most important ones. Until the present chairman, Charles E. Mackintosh, was appointed no especial attention was given to this department. With the co-operation of most of the other members, however, the plans for bringing our Parks up to date are being pushed as rapidly as their limited appropriation will permit. It is a matter worthy of consideration that while we should have 509 acres devoted to park purposes we have only 23 acres. It is also a singular fact that we have only purchased one park (Canonchet), the others having been donated to us so that the tax payers should not complain if we should borrow money for the purchase of additional park areas. Elmwood Park should be developed before the land in that section becomes too valuable; in fact, land desirable for park purposes can probably never be purchased any cheaper than at the present time. The recommendation of

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our Park Commissioners should be given careful consideration. The public appreciate the present policy of advancement and I trust we can deal more generously with this department during the coming year.

CITY ENGINEER'S DEPARTMENT.

The city has received excellent service from this department during the past year. The Main Street bridge was planned and constructed under the direction of Mr. J. L. Tighe, our City Engineer. His services during his term of office have been of great value to the city. I believe he has solved the problem of bridges for Holyoke with a strong structure at a minimum cost. This is quite an important matter for us for our eighteen bridges if put together would be nearly three-quarters of a mile in length. The detail work of this department has been well cared for and is evident to all who have watched our improvements during the past few years. The plans for an addition to the Sargeant Street building are about ready to be submitted to the School Committee for their approval. The new Sewer system for the Highlands should be started during the coming year.

OVERSEERS OF THE POOR.

The report from this department reflects credit on its conduct. To take care of the poor of our city in a proper manner and at a minimum expense deserves commendation. An expense of 80 cents per capita is exceedingly low as compared with other cities of the state. This department cost last year $45,798, a decrease from the preceding year. The good results have been accomplished through the diligence of our competent City Almoner, Mr. J. T. Cunningham, working in co-operation with the members of this department.

LEGAL DEPARTMENT.

Our able City Solicitor, N. P. Avery Esq., has looked after the litigation of the city in his usual careful manner. Many cases have been disposed of, the two principal ones being the Municipal

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Lighting case which has been referred to at length elsewhere, and the case of M. E. Cummings for work on the High School. It is a relief to all our citizens to have those two cases closed. The Lyman Mills case should be finally finished as soon as possible as that has been pending a long time. I wish some satisfactory arrangement might be made with Thomas W. Mann which would be equitable to both parties. The Solicitor deserves commendation for the faithful performance of his duties.

IN CONCLUSION.

I am grateful to the people of Holyoke for their continual confidence. There has been harmony in all the departments during the past year and it is only through the co-operation of all the officials and their faithful work that the good results have been attained. I believe Holyoke stands today well in the lead of the cities of this Commonwealth. While the debt of most cities has been increased, ours has been decreased, yet improvements have been made and progress along all lines. The best interests of all the people have been subserved.

ARTHUR B. CHAPIN, Mayor.

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GOVERNMENT

OF THE

CITY OF HOLYOKE

1903.

MAYOR.

HON. ARTHUR B. CHAPIN.

PRESIDENT OF THE BOARD OF ALDERMEN.

JAMES M. KENNEDY.

ALDERMEN AT LARGE (FOR ONE YEAR).

GEORGE BARNETT, JEREMIAH J. FARRELL,
GEORGE B. NOONAN, ADELARD M. POTVIN,
JOHN D. RYAN, JOHN STALKER,
FRANK C. WEBBER.

ALDERMEN AT LARGE (FOR TWO YEARS).

JOHN R. ALLAN, WILLIAM A. ALLYN,
WILLIAM G. BEAUDRO, IRA J. HUMES,
MICHAEL J. KEARNS, JAMES M. KENNEDY,
WILLIAM LAMBERT.

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ALDERMEN BY WARDS.

WARD 1—PATRICK J. SULLIVAN.

WARD 2—EUGENE LARAMAY.

WARD 3—LEON W. BLISS.

WARD 4—JOHN T. SHEEHAN.

WARD 5—EUGENE F. KANE.

WARD 6—JAMES DEVINE.

WARD 7—THOMAS W. HOLLEY.

CITY CLERK.

JOHN F. SHEEHAN.

CITY MESSENGER.

WILLIAM T. WALSH.

CLERK OF COMMITTEES.

JOHN C. DORAN.

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Standing Committees

OF THE BOARD OF ALDERMEN.

FINANCE.—Aldermen Kane, J. R. Allan, Beaudro.

ORDINANCES. — Aldermen Devine, Noonan, Kane, Humes, Potvin.

CLAIMS. — Aldermen Sheehan, Bliss, Laramay, Barnett, Webber.

STREET FRANCHISES.—Aldermen Sullivan, Kearns, J. R. Allan, Lambert, William Allyn.

RULES. — Aldermen Bliss, Sheehan, Devine, Barnett, Beaudro.

LICENSES. — Aldermen Noonan, Farrell, Ryan, Stalker, Holley, Webber.

STATE AND MILITARY AID AND SOLDIERS' RELIEF.—Aldermen J. R. Allan, Kearns, Noonan, Webber, William Allyn.

ENROLLMENT.—Aldermen Potvin, Lambert, Farrell, Kearns, Bliss.

MUNICIPAL LIGHTING.—Aldermen Ryan, Laramay, Devine, Humes, Stalker.

RIVER NAVIGATION, TRADES AND INDUSTRIES.—Aldermen Farrell, Sheehan, Laramay, Holley, Webber.

EDUCATION.—Aldermen Holley, Ryan, Sullivan, Kearns, Lambert.

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CITY OFFICERS.

CITY TREASURER.

Pierre Bonvouloir, Office, Room 5, City Hall

Elected at Municipal Election.

CITY AUDITOR.

Daniel W. Kenney, Office, Room 12, City Hall

Elected annually by Board of Aldermen.

SUPERINTENDENT OF OUT-DOOR WORK.

Henry Winkler, Office, Room 2, City Hall.

Appointed annually by Board of Public Works.

CITY ENGINEER.

James L. Tighe, Office, City Hall

Appointed every three years by Mayor.

CITY SOLICITOR.

Nathan P. Avery, Office, 24 Dwight Street

Appointed annually by Mayor.

CITY PHYSICIAN.

Michael J. McIntee, M. D., Office, Basement, City Hall

Elected annually by the Board of Aldermen.

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BOARD OF PUBLIC WORKS.

Michael F. Walsh, Chairman, Term expires 1905
Oren D. Allyn, Term expires 1906
Gilbert Potvin, Jr., Term expires 1904
James L. Tighe, Clerk. Oscar C. Ferry, Ass't Clerk.
Members of Board appointed by the Mayor.

ASSESSORS OF TAXES.

Joseph St. Martin, Chairman, Term expires 1905
Joseph J. Kelly, Secretary, Term expires 1904
Jeremiah J. Keane, Term expires 1906
Elected by the Board of Aldermen.

COLLECTOR OF TAXES.

Thomas F. McCabe, Office, Room 7, City Hall
Elected every three years by the Board of Aldermen.

INSPECTOR OF PUBLIC BUILDINGS.

Fred H. Gilpatrick.
Appointed by the Mayor for three years.

LAMPLIGHTER.

Peter Kingsley.
Chosen by Board of Public Works.

OVERSEERS OF THE POOR.

Richard Gilday, Term expires 1905
Amedee F. Gingras, Term expires 1906
James Durnin, Term expires 1904
James T. Cunningham, Almoner.
Elected by the Board of Aldermen.

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BOARD OF HEALTH.

Jeremiah J. Linnehan, Dr. Arthur B. Wetherell
Dr. Frank A. Woods.
Appointed by the Mayor.

INSPECTOR OF PROVISIONS, ETC.

George L. Goodyear.
Appointed by the Mayor and confirmed by Board of Aldermen.

INSPECTOR OF ANIMALS.

George L. Goodyear.
Appointed by the Mayor and confirmed by Board of Aldermen.

CITY AGENTS H. AND W. R. R. CO.

Patrick F. Donoghue, August W. Boy,
James T. Barry, A. D. Durocher, Richard Herre.
Chosen by the Board of Aldermen.

PARK COMMISSIONERS.

Charles E. Mackintosh, Chairman,	Term expires May 1, 1903
John McNairn,	Term expires May 1, 1904
James F. Burns,	Term expires May 1, 1905
Max Otto Dreikorn,	Term expires May 1, 1906
Antoine Marcotte,	Term expires May 1, 1907

Daniel J. Hartnett, Secretary,
Members of the Board appointed by the Mayor and confirmed by Board of Aldermen.

REGISTRARS OF VOTERS.

Timothy J. O'Connor, Chairman,	Term expires May 1, 1904
Thomas Stansfield,	Term expires May 1, 1905
Charles U. Roy,	Term expires May 1, 1906

Appointed by Mayor and confirmed by Board of Aldermen.
John F. Sheehan, City Clerk, *ex-officio*.

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COMMISSIONERS OF WHITING STREET FUND.

Hon. Arthur B. Chapin, Mayor, *ex-officio.*
Pierre Bonvouloir, Treasurer, *ex-officio.*
Mrs. Kate Moynihan, Term expires March 1, 1905
Mrs. W. A. Babcock, Term expires March 1, 1904
Mrs. John J. Prew, Term expires March 1, 1906
Chosen by the Board of Aldermen.

WATER COMMISSIONERS.

John J. Sullivan, Chairman, Term expires 1905
Hugh McLean, Secretary, Term expires 1906
Arthur M. French, Treasurer, Term expires 1904
Elected by the Board of Aldermen.

WATER REGISTRAR.

Albert E. Pickup, Office, Room 8, City Hall
Chosen by Board of Water Commissioners.

SUPERINTENDENT OF WATER WORKS.

John D. Hardy, Office, Room 8, City Hall
Chosen by Board of Water Commissioners.

SUPERINTENDENT OF FIRE ALARM TELEGRAPH.

John Castle.
Appointed by Board of Fire Commissioners.

COMMISSIONERS OF SINKING FUND.

(Municipal Bonds).

Lemuel Sears, Term expires 1904
C. Fayette Smith, Term expires 1905
J. S. McElwain, Term expires 1906
Elected by the Board of Aldermen.

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POLICE DEPARTMENT.

Appointed annually by the Mayor.

Marshal,	J. Sidney Wright
Assistant Marshal,	Patrick Herbert
Captain,	Timothy Haley
Lieutenant,	Patrick E. Sullivan

PATROLMEN.

Michael Shine,	Patrick J. Reardon,
Richard Peters,	John Leary,
Dennis Mack,	John W. Vaugh,
Thomas F. Riley,	John A. Vachon,
John A. Davis,	Thomas E. Bligh,
Henry J. Campbell,	George P. Buckley,
William E. Blackmer,	William P. Cummings,
Michael J. Lynch,	James T. Donoghue,
Frank M. Priest,	Rock H. Lalonde,
Cornelius J. Louney,	Maurice M. O'Connor,
George L. Dickinson,	Thomas Bresnahan,
Patrick F. Ryan,	Charles P. Kehl,
Frank J. Gallagher,	Maurice H. Shine,
William M. Quirk,	Matthew McClellan,
Francis M. Hastings,	Henry M. Fisher,
John A. Powers,	Daniel C. McCarthy,
John A. Geran,	Frank R. Metcalf,
Cornelius Curran,	Richard E. Lowcock,
Peter A. Cullen,	William Carey,
James B. Griffin,	Michael Driscoll,
John J. Moriarty,	Peter J. Manning,
Jeremiah J. Lennehan,	Patrick J. Kennedy,

Walter J. Murray.

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SPECIAL POLICEMEN APPOINTED UNDER CIVIL SERVICE RULES.

Michael J. Baker, 87 Beech Street.
Albert L. Bozenhardt, 608 Bridge Street.
Edward R. Crafts, 268 Northampton Street.
George W. Doan, 123 Lincoln Street.
Thomas W. Doyle, 236 Hampden Street.
Adolph Engle, 29 Gates Street.
Peter Freeman, 126 Sargeant Street.
Bartholomew F. Griffin, 234 Dwight Street.
Warren Vaugh, 69 Main Street.
Patrick J. Griffin, 672 High Street.
Charles Hastings, Northampton Street.
John H. Lee, 14 Newton Street.
Joseph LaFrance, 136 Beech Street.
Thomas Leonard, 179 High Street.
Edward E. Wing, 215 Pine Street.
John F. O'Connor, 73 Bond Street.
John Schmidt, 664 So. Bridge Street.
Thomas H. Sears, 23 Fairfield Avenue.
Michael F. Shea, 295 Appleton Street.
Arthur P. McGuire, 117 Dwight Street.
Ernest A. Daggett, 12 Clinton Avenue.
Robert J. Smith, 246 Lyman Street.
William E. O'Connor, 65 Elm Street.
John D. Hardy, 19 East Dwight Street.
Albert Uscherman, 630 Main Street.
William W. Ward, 95 Lincoln Street.
Owen Waters, 137 Beech Street.
William F. Wheelock, 135 Pleasant Street.
James F. Mullen, 132 Beech Street.

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SPECIAL POLICEMEN NOT APPOINTED UNDER CIVIL SERVICE RULES.

John F. Richardson, 604 Northampton Street.
Charles R. Evans, 2 Grover Street.
Daniel W. Young, 129 Linden Street.
Philip Griffin, 101 Pine Street.
William H. Curley, 120 Hampden Street.
Patrick Wrinn, 42 Front Street.
John C. Doran, 100 Beech Street.
Pierre Provost, 539 Summer Street.
Henry Lempke, 27 Jackson Street.
Burlin M. Poole, 146 Beech Street.
Joseph Chezck, 9 Oliver Street.
Frank A. Woods, 289 Maple Street.
F. M. Cooley, 295 Locust Street.
Robert G. Neill, 21 Bowers Street.
Hugh M. Donoghue, 98 Mosher Street.
John J. Sullivan, 155 Elm Street.
Patrick Fitzgerald, 89 Beech Street.
John H. Bell, 10 Cottage Avenue.
Auburn P. Capen, 19 Linden Street.
John M. Sullivan, 79 Center Street.
Horace A. Lunn, 43 Taylor Street.
Jeremiah J. Linehan, 260 Dwight Street.
George Young, 131 Oak Street.
George S. Little, 159 Elm Street.
John T. Brady, 10 East Street.
Henry D. Provost, 563 Summer Street.
Robert Dean, 104 South Street.
Frank L. Avery, 83 Dwight Street.
Enoch Ashley, Washington Avenue.
Onesime Trepanier, 12 Spring Street.

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Theophile Lamagdelain, 525 Summer Street.
John Prew, 887 Main Street.
John H. Barton, 69 Newton Street.
Charles H. Goodrich, 12 Grover Street.
Joseph Beaudin, 8 Hampden Street.
Henry Frappier, 6 Mosher Street.
Henry Ingraham, 29 Myrtle Avenue.
Gilbert Labonte, 94 Bridge Street.
Charles A. Chamberlain, 28 West Street.
John Sullivan, 32 Cabot Street.
Timothy J. Mannix, 80 Bridge Street.
Gilbert Potvin, 272 Maple Street.
John B. Potvin, 31 East Dwight Street.
Joseph Ouelette, 529 Bridge Street.
William McLoughlin, 51 Bond Street.
John Riley, 125 Sargeant Street.
William F. Salsbury, 94 Bond Street.
Thomas St. Peter,
Emil Seidel, 20 Vernon Street.
Alexander Maher, Washington Avenue.
Anthony Doucette, 55 Dwight Street.
John J. Daily, 75 Bond Street.
Edward Stratton, 241 Dwight Street.
Patrick F. Gallagher, 411 Maple Street.
Anthony F. Keane, 70 Bridge Street.
Frederick G. Bartlett, Cabot and Sycamore Streets.
James Thompson, 52 Taylor Street.
Joseph Duhaime, 507 Canal Street.
James J. Crean, 39 Temple Street.
Clarence E. Provost, 45 James Street.
Michael Healey, Easthampton Road.

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Joseph Sampson, 12 Hampden Street.
Leopold Sabourin, 560 East Street.
Albert J. Emery, 48 Lyman Street.
Franz E. Klopfer, 265 Park Street.
Jonas P. Watts, 150 Walnut Street.
John McCombs, 103 Lyman Street.
Eli Brockett, 21 Beacon Avenue.
William Elliott, 25 Commercial Street.
John S. O'Neill, 215 Sargeant Street.
Bert A. Chadbourne, 19 Brown Avenue.
John Beauchemin, 7 Franklin Street.
Lorenzo N. Williston, 33 Laurel Street.
James Doughtery, 142 Walnut Street.
Cornelius J. Haley, Easthampton Road.
Charles S. Roberts, 245 Sargeant Street.
Patrick Geran, 82 Maple Street.
Moses Gregoire, 110 High Street.
Thomas W. Mann, 35 Hampden Street.
Martin Finn, 16 Cabot Street.
Napoleon B. Emery, 49 Bowers Street.
Fred S. Williams, 272 Hampden Street.
Peter J. Lappin, 135 East Dwight Street.
Richard C. Herre, 261 Dwight Street.
John B. Sullivan, 27 West Street.
Stanley A. Arent, 345 Park Street.
Solomon Jarrett.
Amos B. Adams.
Andrew Birnie, 11 Charles Street.
David Cleland, 37 Hamilton Street.

LOCKUP KEEPER.

Patrick Herbert.

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CONSTABLES.

Valentine J. O'Donnell,
Charles E. Watson,
Thomas A. Bray,
Charles P. Lockwood,
Fred S. Williams,
Fred Laduke.

WEIGHER OF BOILERS AND HEAVY MACHINERY.

William M. Hart.

INSPECTOR OF ANIMALS.

George L. Goodyear.

MEASURERS OF PLASTERING, PAINTING, BRICK AND STONE.

E. A. Ellsworth,
T. W. Mann,
M. J. Teahan,
Robert Ranlet,
Timothy J. McCarthy,
A. F. Sickman,
J. M. Sickman,
J. J. Keane,
M. N. Snow,
John J. Kirkpatrick,
W. J. Howes.

MEASURER OF GRAIN AND MEAL.

William R. Ross.

SEALER OF WEIGHTS AND MEASURES.

Hector J. Mondor.

CARETAKER OF CITY HALL CLOCK.

A. Judson Rand.

INSPECTOR OF MILK, BUTTER AND VINEGAR.

James K. Morrill.

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INSPECTOR OF PETROLEUM.

James K. Morrill.

FENCE VIEWERS.

Daniel O'Connell, Almon A. Jones.

FIELD DRIVERS.

Charles B. Davis, Michael Shine,
Edward R. Crafts, Harvey H. Carter,
Richard Peters, Henry J. Campbell,
Henry Bowker, John A. Davis.

WEIGHERS OF HAY, STRAW, COAL, ETC.

F. M. Eames, Margaret Lawless,
T. L. Curran, E. R. Crafts,
W. B. Whiting, G. H. Lynds,
F. A. Whiting, E. G. Whiting,
Thomas Fitzgerald, Edward A. Best,
P. J. Moriarty, R. Gillis,
C. R. Evans, C. C. Hunter,
H. E. Gaylord, John Griffin,
Joseph B. Woodruff, William S. Thorpe,
Homer P. Fisk, William S. Beeching,
John F. Chase, George I. Sackett,
Eli McDonald, John J. Finn.

MEASURERS OF WOOD, BARK AND CHARCOAL.

T. L. Curran, C. H. Richards,
E. R. Crafts, M. J. Teahan,
R. T. Prentiss, C. B. Davis,
Margaret Lawless, F. A. Whiting,
Daniel O'Connell Jr., W. B. Whiting

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W. S. Thorpe, E. G. Whiting,
R. Gillis, P. J. Moriarty,
John J. Finn.

WEIGHERS OF BEEF, PORK, LARD AND HIDES.

W. O. Judd, F. C. Steele.

SURVEYORS OF LUMBER.

S. M. Knowles, F. W. Ely,
Casper Ranger, A. Judson Merrick,
John Bowler, M. J. Teahan,
Arthur W. Little, Lewis Warner,
Joseph S. Merrick, Michael Shea,
Fremont W. Canney.

POUND KEEPER.

Joseph Lescault.

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FIRE DEPARTMENT.

BOARD OF FIRE COMMISSIONERS.

Charles L. Newcomb, Chairman,	Term expires Feb. 1, 1905
George J. Prew,	Term expires Feb. 1, 1906
Dennis J. Landers,	Term expires Feb. 1, 1904

John Hildreth, Secretary.
J. J. Moynahan, Vet.

1. John T. Lynch, Chief.
2. John Castle, Superintendent of Fire Alarm Telegraph.
3. J. J. Callahan, Lineman.
4. P. J. Reilly, 1st Asst. Chief and Capt. of Steamer and Dispatch Co. No. 1.
5. Joseph M. Lafrance, 2nd Asst. Chief and Captain.
6. James A. Flynn, Engineer Steamer No. 2.
7. Daniel J. Gorman, Captain of Chemical No. 1.
8. Charles H. Knapp, Engineer of Steamer No. 3.
9. Louis LaBrecque, Engineer of Steamer No. 5.
10. James Brady.
11. P. J. Hurley, Captain Hose No. 4.
12. Samuel D. Loomis, Captain Steamer No. 3.
13. W. H. Strain, Permanent Man.
14. George F. Orrell, Captain Hook & Ladder No. 2.
15. James J. Long, Captain Hose No. 7.

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16. John P. Wynn, Lieutenant of Chemical No. 1.
17. T. Harrington, Driver of Chemical No. 1.
18. Daniel Hogan, Captain of Steamer No. 5.
19. James O'Grady, Permanent Man.
20. J. J. Casey, Lieutenant of Hook & Ladder No. 1.
21. J. J. Crowley, Permanent Man.
22. P. T. Kennedy, Permanent Man.
23. James Lynch, Driver of Hose No. 2.
24. J. J. Sullivan, driver Steamer No. 2.
25. D. J. Brennan, Captain Hose No. 6.
26. J. J. Hallisey, Lieutenant Steamer No. 5.
27. A. Tardy, Driver Hose No. 3.
28. M. D. Meade, Driver of Flying Squadron and Dispatch Co. No. 1.
29. D. Moynahan, Driver Steamer No. 3.
30. A. F. Mulqueeny, driver Chemical No. 3.
31. John Welsh, Permanent Man.
32. D. J. Lynch, Driver Steamer No. 4.
33. P. J. Kennedy, Driver Steamer No. 5.
34. Frank S. Lynch, Driver Hose No. 7.
35. William Brady, Driver Hose No. 6.
36. John J. O'Donnell, Driver Chief's Auto.
37. George A. Ellison, Driver Hook and Ladder No. 2.
38. C. F. Aurnhammer, Driver Hook and Ladder No. 3.
39. J. M. Riley, Lieutenant Steamer and Dispatch Co. No. 1.
40. J. J. Manning, Lieutenant Hose No. 7.
41. P. F. Sullivan, Permanent Man.
42. W. Watt, Permanent Man.
43. D. McLean, Captain Steamer No. 2.
44. J. F. Rohan, Lieutenant Steamer No. 3.
45. T. Conway, Driver Hose No. 4.

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46. E. F. Gilday, Lieutenant Steamer No. 4.
47. A. Gruenert, Permanent Man.
48. M. Bowler, Permanent Man.
49. M. Donoghue, Lieutenant Hose No. 6.
50. J. J. Fenton, Permanent Man.
51. P. J. Fitzgerald, Permanent Man.
52. F. N. Bligh, Tillerman Hook and Ladder No. 1.
53. James Gately, Permanent Man.
54. Thomas Ash, Driver Hose No. 5.
55. John B. Moreau, Permanent Man.
56. Patrick Rohan, Permanent Man.
57. E. C. Buckley, Permanent Man.
58. J. J. Moriarty, Permanent Man.
59. Patrick Gaughan, Driver Hook and Ladder No. 1.
60. J. J. Ryan, Permanent Man.
61. Robert McCarthy, Permanent Man.
62. Matthew Welch, Permanent Man.

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SCHOOL COMMITTEE.

Hon. Arthur B. Chapin, Mayor.

William Reardon, Chairman.

Louis P. Nash, Sec'y and Supt. of Schools.

At Large	Robert T. Prentiss,	Term expires 1905
	William Reardon,	Term expires 1904
Ward 1—Edward F. Cary,		Term expires 1904
Ward 2—Odilon Z. E. Charest,		Term expires 1906
Ward 3—George P. Ellison,		Term expires 1904
Ward 4—Joseph F. Sullivan,		Term expires 1906
Ward 5—Dennis F. Cleary,		Term expires 1905
Ward 6—Edward J. Gorman,		Term expires 1906
Ward 7—M. H. Whitcomb,		Term expires 1905

STANDING COMMITTEES FOR 1903.

Rules—Messrs. Cary, Gorman, Whitcomb.

Finance and Accounts—Messrs. Gorman, Cleary, Prentiss.

Salaries—Messrs. Gorman, Ellison, Sullivan.

Text Books and Courses of Study—Messrs. Charest, Whitcomb, Prentiss.

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Printing and Supplies—Messrs. Whitcomb, Charest, Reardon.

Music—Messrs. Sullivan, Whitcomb, Ellison.

Drawing and Writing—Messrs. Cary, Gorman, Prentiss.

Manual Training and Kindergartens—Messrs. Ellison, Gorman, Sullivan.

Health and Physical Culture—Messrs. Cleary, Gorman, Cary.

Evening Schools—Messrs. Charest, Cleary, Cary.

Attendance, Census and Truancy—Messrs. Sullivan, Charest, Prentiss.

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ELECTION OFFICERS.

WARD ONE—PRECINCT A.

Warden—Richard Gilday.

Deputy Warden—Henry Fitzgibbon.

Clerk—Charles H. Goodrich.

Deputy Clerk—Charles C. Hunter.

Inspectors—Cornelius Crowley, Patrick Gear, Andrew G. Squires, Clark E. Belding.

Deputy Inspectors—Frank Dupre, Jeremiah Mannix, Ernest Prevost, John Craigie.

WARD ONE—PRECINCT B.

Warden—John H. Ryan.

Deputy Warden—Adolphus Terrien.

Clerk—Wilbur J. Robinson.

Deputy Clerk—Charles Schofield.

Inspectors—William L. Scully, Albert Emery, James Auld, Thomas J. Maroney.

Deputy Inspectors—Francis J. Meehan, Patrick Dumford, William LaFrance, Isaac Cornwall.

WARD TWO—PRECINCT A.

Warden—Henry Proulx.

Deputy Warden—Adelard M. Potvin.

Clerk—Fred A. Monat.

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Deputy Clerk—Romuald O. Lamagdelaine.

Inspectors—Charles Moreau, Rodolphus Coderre, Antoine Marcotte, Charles Perry.

Deputy Inspectors—Samuel J. Aubrey, Elphege Ste. Marie, Francis J. McCarthy, Joseph E. Lapointe.

WARD TWO—PRECINCT B.

Warden—Edward Whalen.

Deputy Warden—Dennis Healey.

Clerk—David A. Long.

Deputy Clerk—Herman M. Smith.

Inspectors—Edward J. Rourke, Charles E. Theunert, Joseph B. Fontaine, Edward Walsh.

Deputy Inspectors—Joseph A. Beauchemin, Peter Provost, William Gleason, James F. O'Connell.

WARD THREE—PRECINCT A.

Warden—Thomas H. Wood.

Deputy Warden—Chalmers Chapin.

Clerk—Bartholomew Donoghue.

Deputy Clerk—John J. Connor.

Inspectors—Isidor Davis, Fred J. Batchelor Jr., Michael Corridan, Edward Hart.

Deputy Inspectors—George Barnett Jr., W. S. Phillips, J. H. Carroll, George Clarenbach.

WARD THREE—PRECINCT B.

Warden—John J. Taylor.

Deputy Warden—Paul H. Koehler.

Clerk—John Lowcock.

Deputy Clerk—Joseph Emond.

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Inspectors—Max Bretschneider, Ernest Sattler, Peter T. Williams, John Cronin.

Deputy Inspectors—Carl A. H. Neumann, Henry Sussenguth Jr., Edward Henault, J. J. Crean.

WARD FOUR—PRECINCT A.

Warden—William F. Kelly.

Deputy Warden—Thomas J. Begley.

Clerk—Henry B. Spencer.

Deputy Clerk—Frank S. Rowe.

Inspectors—Frank Lamay, William J. Dillon, Joseph Masse, Thomas W. Mann.

Deputy Inspectors — Michael Kennedy, Oliver Russell, Arthur C. Mackie, Thomas C. Dufresne.

WARD FOUR—PRECINCT B.

Warden—James J. Driscoll.

Deputy Warden—Michael J. Lynch.

Clerk—Patrick J. Conway.

Deputy Clerk—Joseph K. Menard.

Inspectors—James Doyle, Michael Kerin, Levi Russell, David A. Hendrick.

Deputy Inspectors—Arthur McGuire, Hormisdas Thomas, Louis Bibeau, Thomas Danehy.

WARD FIVE—PRECINCT A.

Warden—James H. O'Connell.

Deputy Warden—Thomas J. Anderson.

Clerk—George H. Perry.

Deputy Clerk—J. J. Bateson.

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Inspectors—Richard S. Burns, Daniel F. O'Connell, Ira J. Humes, Walter E. Richards.

Deputy Inspectors—John J. O'Connor, John Reardon, Isaac Scofield, Arthur W. Darby.

WARD FIVE—PRECINCT B.

Warden—Elliot D. Shaw.

Deputy Warden—Ralph Ranlet.

Clerk—Charles J. O'Connell.

Deputy Clerk—John L. Connor.

Inspectors—Michael J. O'Connor, White P. Bidwell, Benjamin F. Phillips, Patrick A. Higgins.

Deputy Inspectors—Frank O'Connell, Burlin M. Poole, J. H. Prew, Michael J. Kingsley.

WARD SIX—PRECINCT A.

Warden—Fred N. Ricker.

Deputy Warden—Charles E. Watson.

Clerk—Lawrence Dowd.

Deputy Clerk—John F. Sullivan.

Inspectors—Lawrence H. Fortier, Charles McCauley, Charles E. Van Volkenburg, Mastai Chaquette.

Deputy Inspectors—Frank Moore, William R. Shumway, George P. Kelly, Thomas O'Connor.

WARD SIX—PRECINCT B.

Warden—Henry J. Bogue.

Deputy Warden—Peter Freeman Jr.

Clerk—Fred Kilian.

Deputy Clerk—Albion F. Hitchcock.

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Inspectors—Michael J. Johnson, Frederick Shearer, William H. Stedman, Michael Danehy.

Deputy Inspectors—James T. Barry, Frank A. Patenaude, William G. Beaudro, Patrick Cavanaugh.

WARD SEVEN—PRECINCT A.

Warden—Willis D. Ballard.

Deputy Warden—George W. Doane.

Clerk—Thomas J. O'Keefe.

Deputy Clerk—Bernard F. Bigelow.

Inspectors—Linus D. Crafts, George Wolohan, William S. Thorpe, Arthur R. Root.

Deputy Inspectors—William Bradley, Charles L. Hammond, Herbert C. Kegan, Walter P. Wing.

WARD SEVEN, PRECINCT B.

Warden—Sumner H. Whitten.

Deputy Warden—Edwin B. Evans.

Clerk—John W. Scolley.

Deputy Clerk—Michael W. Scolley.

Inspectors—Eugene Sullivan, William E. Sanborn, Earl J. Cain, William D. Bunnell.

Deputy Inspectors—Thomas E. Sullivan, Walter F. Bachelder, Richard P. Stapleton, Levi Fay.

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CITY GOVERNMENT FOR 1902.

MAYOR.

HON. ARTHUR B. CHAPIN.

PRESIDENT OF THE BOARD OF ALDERMEN.

JAMES M. KENNEDY.

ALDERMEN AT LARGE (FOR TWO YEARS).

GEORGE BARNETT, JEREMIAH J. FARRELL,
GEORGE B. NOONAN, ADELARD M. POTVIN,
JOHN D. RYAN, JOHN STALKER,
FRANK C. WEBBER.

ALDERMEN AT LARGE (FOR ONE YEAR).

CHARLES S. HEMINGWAY, EDWARD F. DOWD,
WILLIAM O. DUCHARME, WILLIAM G. BEAUDRO,
JOHN J. FINN, JAMES M. KENNEDY,
WILLIAM McCORKINDALE.

ALDERMEN BY WARDS.

WARD 1—DENNIS O'LEARY.
WARD 2—EUGENE LARAMAY.
WARD 3—LEON W. BLISS.
WARD 4—ALEXANDER O'BRIEN.
WARD 5—EUGENE F. KANE.
WARD 6—JOHN G. DEARDEN.
WARD 7—THOMAS W. HOLLEY.

CITY CLERK.

JOHN F. SHEEHAN.

CITY MESSENGER.

WILLIAM T. WALSH.

CLERK OF COMMITTEES.

JOHN C. DORAN.

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THIRTY-FIRST

ANNUAL REPORT

OF THE

WATER BOARD

OF

HOLYOKE, MASS.

FOR THE YEAR

1902.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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HOLYOKE

WATER WORKS.

OFFICERS FOR 1902.

WATER COMMISSIONERS.

JOHN J. SULLIVAN, Chairman,
JOSEPH A. SKINNER, Treasurer,
ARTHUR M. FRENCH, Secretary.

WATER REGISTRAR.

ALBERT E. PICKUP.

SUPERINTENDENT.

JOHN D. HARDY.

ENGINEER.

JAMES L. TIGHE.

INSPECTORS.

JAMES F. CLEARY, THOMAS E. SULLIVAN.

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REPORT OF

WATER BOARD.

To the Honorable, the Board of Aldermen of the City of Holyoke:

The Board of Water Commissioners respectfully present the following as their report for the year ending December 31, 1902:

RECEIPTS AND EXPENDITURES.

RECEIPTS.

Balance from 1901,	$3,608.76
Water rents,	101,761.60
Interest on meters,	1,637.55
Service pipe,	402.00
Interest on bank deposits,	525.74
Journal,	2,306.10
Sundries,	583.20
	$110,824.95

EXPENDITURES.

Main pipe extension,	$912.56
Service pipe extension,	613.41
Main pipe repairs,	731.70
Service pipe repairs,	934.31
Hydrants,	657.41

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Reservoirs, Ashley and Wright ponds, and Whiting street,	8,507.25
High service,	14,875.79
Fomer,	1,437.66
Supervision and Inspection,	5,231.96
Meters,	939.69
Barn,	2,460.01
Shop,	1,425.77
Office,	3,189.46
Engineering,	2,295.51
George E. Chidley (land),	100.00
Walter S. Robinson, att'y for C. C. Abbey (land),	830.38
Albert Tetrault (land),	659.25
A. S. Kneil, att'y for Peter Guilshan (damages),	15.00
T. B. O'Donnell, attorney, Madison Avenue cases (damages),	125.00
John B. O'Donnell, attorney for F. H. Shoals (damages),	676.94
Walter S. Robinson, attorney for C. C. Abbey (damages),	25.64
Albert Tetrault (land damages),	100.00
Litigation,	1,640.11
Raising track at Ashley pond,	2,000.00
Commissioners of Sinking Fund, City of Holyoke, taxes,	20,724.93
Interest on bonds,	12,000.00
Transfer to Sinking Fund, (bonds due in 1927),	10,000.00
Transfer to Sinking Fund, (bonds due in 1930),	3,000.00
For all other purposes,	729.64

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Cash in Holyoke National Bank,	$13,890.76	
Cash on hand, ...	94.81	
		13,985.57
		$110,824.95

HOLYOKE, January 5, 1903.

I hereby certify that I have examined the cash book of the Board of Water Commissioners for the year ending December 31, 1902, and find it correctly added.

The vouchers for payments are properly approved, and the cash balance, $13,985.57 has been duly verified.

D. W. KENNEY,
City Auditor.

We regret to announce the loss by death of our fellow Commissioner, Mr. Maurice Lynch, who died on January 17. Mr. Lynch was a man of sturdy character, and his large business experience and his knowledge of the department through previous membership on the Board fitted him for valuable service to the city.

The past year has been one of considerable activity in the department. The principal work undertaken was that of cleaning up the basin of High Service Reservoir, work on which was commenced a few years ago, and good progress was made despite the unusually wet season, which of necessity retarded the work to some extent.

It was the intention of the Board to build a part of the masonry core-wall of the dam this year, and plans and specifica-

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tions were prepared, bids asked for and the contract awarded, but the contractor declining to execute the contract it was decided to postpone the work till the following year, when it is hoped to build part if not all of it. The foundations were stripped, however, and the advice of expert engineers, acting in conjunction with our own efficient City Engineer, obtained as to the security of the natural foundations. They also examined and approved the plans and specifications prepared by the City Engineer.

A leakage in the dam of Whiting Street Reservoir, at the lower end, was discovered in the early part of the year, but the trouble was remedied by filling in with gravel on the inside of the wall. The work was expensive, however, on account of the extremely cold weather making it hard to procure the gravel.

The 10-inch main pipe in Dwight street, which ended at the second level canal bridge, was extended across the canal and connected with the 6-inch main in Race street, resulting in much benefit to the pressure in that vicinity.

An 8-inch main was laid in Taylor street from the intersection of Hampden to the north end of the street, replacing the 4-inch main. Two new 6-inch two-way steamer hydrants were installed on this new main, thereby adding considerably to the fire protection as well as a more adequate water supply for that neighborhood. This is along the line of the work mapped out, that of replacing the small cast-iron mains with larger ones.

A much needed and long desired improvement has been accomplished in the raising of the railroad track three feet, for a distance of about 400 feet, at Ashley Ponds. It was a gradual rise, covering a distance of 1,700 feet altogether. This was made necessary because of the water overflowing onto the track at certain seasons of the year. The work was done by the rail-

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road people, but the department paid for the doing of it. The work was well done. The matter had hung fire for some time, the railroad officials not caring to increase the grade at this, the highest point on their road to Westfield.

Something has been accomplished in the buying up of the remaining land on the immediate water-sheds of Wright Pond and High Service reservoir, and more of it will be bought on these and the water-shed of Whiting Street reservoir the coming year, as arrangements have already been made for its purchase. With these purchases completed, the city will be in possession of nearly all the land on the immediate water-sheds of its reservoirs.

The Shoals damage case, one of the cases in connection with the taking of the southwest branch of the Manhan River was settled in June, and the Abbey case, for land taken at High Service reservoir, was settled by the purchase of the land in December.

The work of enlarging the office and vault has been commenced. The Board of Public Works has kindly assigned to us the little room opening off of our present office, and when it is fitted up it will greatly add to the convenience of our quarters.

In the early spring there was much complaint about the disagreeable taste and odor of the water, especially that of Ashley Ponds, and though every measure was taken to remedy the trouble it seemed to have no effect. The hydrants were opened and the mains flushed out at intervals both in the day-time and at night, as it was at first thought the trouble was in the pipes. We afterwards found that the trouble originated at the ponds, and though the flushing seemed to have little or no effect for a time, yet by persisting in it we believe the time of the unpleasantness of the water was shortened. The State Board

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of Health was requested by us to come to Holyoke and make an examination of the water to determine the cause of the bad odor and taste, and to allay any fears the people might have as to the healthfulness of it. They found the trouble to be due to an organism known as uroglena, and which is not known to be injurious to the public health. Small organisms are found in a great many of the larger domestic water supplies of the country, causing disagreeable tastes and odors at certain periods of the year. What causes them to appear is an unsolved problem. The trouble disappeared after a short time.

There has been an abundance of water the past year and, barring the time referred to, it has been of excellent quality.

The value of the new 24-inch main was well illustrated at the Marble Block fire December 26, when the pressure on High street was only reduced about five pounds with thirteen streams, six of which were pumped from the hydrants by steamers, playing on the fire at one time.

The scheme inaugurated by the Special Act of 1901, whereby the city pays for the water used in all of its departments, has had a tendency to curtail the waste in the city departments, especially the schools, all previous efforts in this direction having failed of effect.

The receipts from the city for water amounted to $10,231.26, which is a little less than half the amount paid by this department to the Commissioners of the Sinking Fund of the city for taxes.

The receipts from water rents were $14,390.53 more than those of the previous year, and deducting the amount received from the city, leaves the receipts from this source $4,159.27 more than last year.

The number of new services put in this year was considera-

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bly less than for the year before, owing to the small number of new buildings erected during the year.

It is the intention of the Board to continue the work at High Service Reservoir this coming year, doing as much as the finances of the department will warrant in addition to looking after the needs of the city proper.

It is the intention also to make further study in regard to the tastes and odors of the water with a view to a better understanding of the matter.

CONSTRUCTION ACCOUNT.

Cost reported December 31, 1901,		$1,295,308.26
Increase during the year:		
Main pipe extensions,		912.56
Hydrants,		178.50
High Service Reservoir,		14,875.79
Meters,		602.25
George E. Chidley, land,		100.00
Walter S. Robinson, Att'y for C. C. Abbey, land,		830.38
Albert Tetrault, land,		659.25
		$1,313,466.99
Materials sold, charged to Construction Account,	$973.76	
Replacements, Taylor street,	1,838.96	
		$2,812.72
		$1,310,654.27
Depreciation,		15,346.01
		$1,295,308.26

The cast-iron mains were extended, including the replacement of the 4-inch pipe in Taylor Street from Hampden to north

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end of Taylor Street with 8-inch, 2,300 feet. For location, size and length of extensions see Table A.

The length of cast-iron mains is 77.61 miles, and of temporary wrought-iron, 5.72 miles. For location, size and length of mains see Tables B and C. Thirteen gates were set in new locations. The total number to date is 791. For location and size see Tables D and E. Seven hydrants were set in new locations. The total number of public fire hydrants is 576. For location, etc., see Tables F. and G. Following Table G is a summary of fire service in the various mills in the city, which is additional to the above. Fifteen meters were set in new locations and ten disconnected, making the total now in use 243. For make, size and location see Table H.

Twenty-seven service pipe connections were added during the year and eleven disconnected, making the total number in use to date 3,691.

Five leaks in service pipes, and four in main pipes, have been repaired.

Water has been shut off from eight services for non-payment of rent, and turned on again upon payment of rent and $1.00 fine.

The average depth of water in the gate-house at Wright pond for the year was thirteen feet one and three-quarter inches.

SINKING FUND.

(Bonds due 1927.)

Amount reported Dec. 31, 1901, . . .	$33,769.43
Increase during the year:	
Interest on deposits in Home National Bank, .	390.91
Interest on loans on Real Estate, . . .	919.85
Transfer from Water Rents, ...	10,000.00
	$45,080.19

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INVESTMENTS.

Loans on Real Estate,	$14,850.00
Real Estate, by foreclosure,	6,000.00
Twenty-three City of Holyoke Gas & Electric Light Bonds,	23,888.63
Cash in Home National Bank,	341.56
	$45,080.19

Examined and approved.

FREDERICK S. FULLER,
Public Accountant.

January 5, 1903.

SINKING FUND.

(Bonds due 1930.)

Amount reported Dec. 31, 1901,	$ 8,887.71
Increase during the year:	
Interest on deposits in City National Bank,	267.81
Transfer from Water Rents,	3,000.00
	$12,155.52

INVESTMENTS.

Eleven City of Holyoke Gas & Electric Light Bonds,	$11,461.30
Cash in City National Bank,	694.22
	$12,155.52

Examined and approved.

FREDERICK S. FULLER,
Public Accountant.

January 5, 1903.

All of which is respectfully submitted.

JOHN J. SULLIVAN,
JOSEPH A. SKINNER,
A. M. FRENCH,
} Water Commissioners.

Holyoke, December 31, 1902.

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TABLE A.

STATEMENT OF LOCATION, SIZE AND LENGTH OF EXTENSIONS MADE IN 1902.

LOCATION.	6-inch	8-inch	10-inch
Dwight street, from end of pipe to Race street (in second level canal) . . .			150
Locust street, north from Appleton street	50		
Taylor street, from Hampden street, north		2100	
Total number of feet.	50	2100	150

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Total number of feet, 409.790, or 77.61 miles.

4-inch,	68,336
6-inch,	121,573
8-inch,	46,847
10-inch,	32,966
12-inch,	31,614
16-inch,	31,903
20-inch,	58,597
24-inch,	17,834
30-inch,	120
Total,	409,790
Pipe laid per report of 1901,	407,490
Amount laid in 1902,	2,300
Total,	409,790

TABLE C.

Summary of small pipe now laid for temporary mains divided as follows:

½-inch,	158 feet
¾-inch,	4,668 "
1 -inch,	17,837 "
1¼-inch,	5,439 "
1½-inch,	1,330 "
2 -inch,	764 "
3 -inch,	14 "
Total number of feet,	30,210

5.72 miles.

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SUMMARY OF HYDRANTS.

4-inch, one out,	294
4-inch, two outs,	49
6-inch, two outs,	192
6-inch, three outs,	6
6-inch, one out,	33
8-inch, three outs,	1
Cistern,	1
Total,	576

SUMMARY SHOWING FIRE APPLIANCES IN CITY OUTSIDE OF CITY HYDRANTS, TO DATE.

472 stand-pipe outs.
55 single hydrants.
122 double hydrants.
6 triple hydrants.
11 four-arm hydrants.
1 cellar hydrant.
6 mills using perforated pipe sprinklers.
60 mills using automatic sprinklers.
49 fire pumps at mills.

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SUMMARY OF METERS IN USE.

Make	¾-inch	1-inch	1½-inch	2-inch	3-inch	4-inch	Total
Crown,	22	29	11	9	10	4	85
Worthington,	12	22	19	18	12		83
Hersey,	6	11	4	10	6	3	40
Union,			3	3	2	2	10
Thomson,		1	6	3	1		11
Trident,		1	3	1	1	1	7
Gem,					1	2	3
Empire,	1		2				3
Ball & Fitts Piston,			1				1
Total, 243	41	64	49	44	33	12	243

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TABLE J.

SHOWING AVERAGE NUMBER AND DESCRIPTION OF WATER TAKERS NOW REGISTERED.

Almshouse,	1
Alpaca mill,	2
Business college,	2
Beer pumps,	53
Baths,	4,002
Barber shops,	53
Boarding houses,	48
Brass foundry,	1
Blank book manufactories,	2
Blanket mill,	1
Brass window furnishings,	1
Blacksmith and carriage shops,	20
Boiler shops,	2
Beer bottlers,	12
Bar works,	1
Bakeries,	24
Billiard rooms,	2
Bit and brace works,	1
Belt shop,	1
Bowling alley,	2
Box shops,	4
Band room,	2
Banks,	10
Book binderies,	6
Cattle,	67
Cotton mills,	3
Churches,	18
Church organs,	12

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Cafés,	3
Cigar manufactories,	7
Colored cotton,	3
Cotton warp mill,	1
Cement pipe works,	1
Cemeteries,	4
Club rooms,	23
Confectionery manufactories,	2
Carpet cleaning,	2
Cotton thread and twine manufactories,	7
Chemical laboratories,	3
City Hall,	1
Convents,	8
Carriage repositories,	2
Drug stores,	25
Dentists,	15
Dining rooms,	6
Dressmakers,	8
Dandy roll manufactories,	2
Dye works,	3
Envelope manufactories,	5
Engines,	66
Elevators,	44
Express companies,	2
Electric light station,	1
Electric car station,	1
Electric car sprinkler,	1
Electric car hydrants,	11
Electric power house,	1
Families,	9,955
Fish markets,	9

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Fourdrinier wire works,	4
Fountain and rotary sprinklers,	23
Fire engine houses,	7
Furniture warerooms,	8
Glazed paper works,	3
Greenhouses,	5
Gray nuns' schools,	2
Gate house,	1
Gas house,	1
Gasometers,	3
Grist-mills,	3
Gymnasiums,	5
Hospitals,	2
Hose,	869
Horses,	1,526
Hairdressers,	4
Harness shops,	5
Houses of Providence,	2
Home for aged women,	1
Hotels,	11
Halls,	27
Hydraulic cloth press,	1
Hydraulic copying press,	3
Iron founders,	4
Ice dealers,	3
Kindergarten Schools,	1
Lodging rooms,	286
Livery and sale stables,	14
Lead pipe works,	1
Lithographer,	1
Laundries,	23

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Lumber yards,	5
Meat markets,	72
Machine shops,	7
Motors,	54
Mercerized cotton manufactory,	1
Offices,	155
Opera houses,	2
Pool rooms,	9
Paper box manufactories,	4
Paper mills,	30
Paper pad manufactories,	7
Public library,	1
Post office,	1
Police court,	1
Planing mills,	4
Pork packing houses,	6
Printing offices,	13
Photograph rooms,	10
Plumbers,	15
Plush manufactory,	1
Passenger and freight depots,	4
Public drinking fountains,	11
Parks,	7
Public bath rooms,	6
Public bath houses,	4
Reading rooms,	2
Restaurants,	18
Reed shop,	1
Round houses,	2
Stores,	417
Soda fountains,	38

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Shops,	15
Saloons,	47
Steam pump manufactory,	1
Soda bottlers,	3
Screen plate works,	1
Shooting gallery,	1
Silver platers,	2
School houses,	27
Stand pipes,	55
Silk mills,	3
Spindle shop,	1
Saw mill,	1
Sealing wax manufactory,	1
Sausage manufactories,	5
Stone yards,	4
Screw mill,	1
Steam and gas fitters,	13
Store houses,	3
Street sprinkling carts,	15
Tanks for glasses,	37
Tailor shops,	18
Tumbler washers,	20
Tin shops,	7
Telegraph offices,	4
Telephone office,	1
Testing flume,	1
Urinals,	127
Undertakers,	12
Vegetable sprinklers,	3
Water closets,	9,426
Wire mill,	1

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Wire mattress works,	1
Wire weaving,	2
Watering troughs,	10
Woolen mills,	5
Wood yards,	9
Water Power Co.,	1
Young Men's Christian Association,	

TABLE K.

SUMMARY OF STAND-PIPES.

Appleton street, near Deane Steam Pump Co.,	1
Appleton street, near Main,	1
Ball's corner, near Beech,	1
Brown avenue, near South street,	1
Brown avenue, near View street,	1
Beech street, near Appleton,	1
Beech street, near Hampden,	1
Bowers street, corner Samosett,	1
Bridge street, corner Canal (Ward 1),	1
Bridge street, corner Canal (South Holyoke),	1
Bridge street, south of Sargeant (South Holyoke),	1
Bridge street, near No. 85,	1
Canal street, near Lyman,	1
Center street, corner East Dwight,	1
Center street, near Lyman,	1
Chestnut street, corner Sargeant,	1
Chestnut street, corner Cabot,	1
Chestnut street, corner Prospect,	1
Cabot street, near Race,	1
City yard—Commercial,	1
Cabot street, near Holyoke Water Power Co.'s mill,	1

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Dwight street, near Nonotuck,	1
East street, corner Hamilton,	1
Elm street, at the shop,	1
Essex street, near Maple,	1
Front street, corner Fountain,	1
Hampden street, corner Nonotuck,	1
Hamilton street, corner Canal,	1
High street, at City Hall,	1
Jackson street, near Holyoke Paper Co.'s mill,	1
Linden street, corner Beech,	1
Locust street, near Cabot,	1
Main street, near South,	1
Maple street, near Hampden,	1
Maple street, near South,	1
Meadow street, near Main (Springdale),	1
Northampton street, near Home School,	1
Northampton street, near Heywood's,	1
Northampton street, near Cooley's,	1
Northampton street, near South,	1
Northampton street, near Gilman,	1
Nonotuck street, near Fairfield avenue,	1
Park street, corner Coghlan's Boiler Works,	1
Pine street, corner Dwight,	1
Pine street, corner Hampshire,	1
Quincy at Northampton street,	1
Race street at F. C. Steele's,	1
Railroad street, corner Appleton,	1
School street, near Dwight,	1
Sargeant street, near Maple,	1
Sargeant street, near Park,	1
St. Jerome avenue, near Sargeant street,	1
Taylor street, near Hampden,	1
Washington avenue, corner South street,	1
Willow street, near Laurel,	1
	55

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HEIGHT OF WATER AT ASHLEY POND.

January 4th, 13 ft. 11 in.; 11th, 13 ft. 10 in.; 18th, 13 ft. 9 in.; 25th, 13 ft. 9 in.

February 1st, 13 ft. 10 in.; 8th, 13 ft. 9 in.; 15th, 13 ft. 7 in.; 22nd, 13 ft. 6 in.

March 1st, 13 ft. 11 in.; 8th 13 ft. 7 in.; 15th, 13 ft. 8 in.; 22nd, 13 ft. 8 in.; 29th, 13 ft. 9 in.

April 5th, 13 ft. 8 in.; 12th, 13 ft. 10 in.; 19th, 13 ft. 10 in.; 26th, 13 ft. 9 in.

May 3d, 14 ft.; 10th, 13 ft. 10 in.; 17th, 13 ft. 10 in.; 24th, 13 ft. 9 in.; 31st, 13 ft. 11 in.

June 7th, 13 ft. 9 in.; 14th, 13 ft. 9 in.; 21st, 13 ft. 9 in.; 28th, 13 ft. 3 in.

July 5th, 13 ft. 3 in.; 12th, 13 ft. 1 in.; 19th, 12 ft. 7 in.; 26th, 12 ft. 8 in.

August 2nd, 12 ft. 9 in.; 9th, 12 ft. 4 in.; 16th, 12 ft. 7 in.; 23rd, 12 ft. 4 in.; 30th 12 ft. 1 in.

September 6th, 11 ft. 6 in.; 13th, 11 ft. 6 in.; 20th, 11 ft. 6 in; 27th, 11 ft. 7 in.

October 4th, 11 ft. 9 in.; 11th, 11 ft. 11 in.; 18th, 12 ft. 1 in.; 25th, 12 ft. 1 in.

November 1st, 12 ft. 7 in.; 8th, 12 ft. 9 in.; 15th, 12 ft. 11 in.; 22nd, 12 ft. 11 in.; 29th, 13 ft.

December 6th, 13 ft. 2 in.; 13th, 13 ft. 1 in.; 19th, 13 ft. 8 in.; 27th, 14 ft. 3 in.

Average height for the year, 13 ft. 1¾ inches.

Height of overflow 13 ft. 4 inches.

STATISTICAL TABLE RELATING TO THE HOLYOKE WATER WORKS, DECEMBER 31, 1902.

Population by school census of 1902, 47,043.

Date of construction, 1873.

Works owned by the city.

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Source of supply—two contiguous natural lakes, three and one-half miles from the city, two mountain streams and storage reservoir, and the southwest branch of the Manhan river—intake reservoir at Southampton.

Mode of supply—gravity.

FINANCIAL.

RECEIPTS.

A.	Water rates, fixed,	$77,888.25
B.	Water rates, metered,	23,873.35
C.	Total receipts from water,	$101,761.60
D.	Service pipe,	402.00
E.	All other sources,	5,052.59
F.	Gross receipts,	$107,216.19
G.	Cash balance January 1, 1902,	3,608.76
		$110,824.95

EXPENDITURES.

AA.	Management and repairs,	$28,095.67
BB.	Services and repairs,	1,547.72
CC.	Running expenses for 1902,	$29,643.39
DD.	Interest on bonds,	12,000.00
EE.	Total maintenance,	$41,643.39
FF.	Land and Water damages,	942.58
GG.	Litigation,	1,640.11
HH.	Commissioners of Sinking Fund, City of Holyoke, taxes,	20,724.93
II.	Sinking Funds,	13,000.000

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JJ.	Materials, labor, etc.,		729.64
KK.	Cash on hand and in bank,		13,985.57
LL.	Materials sold (charged to construction),	$973.76	
MM.	Replacements (Taylor street),	1,838.96	
NN.	Balance to construction,	15,346.01	
			$18,158.73
			$110,824.95

CONSTRUCTION.

Balance,			$15,346.01
OO.	Extension main pipe,	$912.56	
PP.	Hydrants,	178.50	
QQ.	High service reservoir,	14,875.79	
RR.	Meters,	602.25	
SS.	Land purchases,	1,589.63	
		$18,158.73	
TT.	Less materials sold and replacements,	2,812.72	
		$15,346.01	
UU.	Depreciation,		$15,346.01
W.	Net cost of works to date,		$1,295,308.26
X.	Bonded debt,		300,000.00
Y.	Value of sinking funds Dec. 31, 1902,		57,235.71

CONSUMPTION.

1.	Population, 1902 school census,	47,043
2.	Estimated population on line of pipe,	46,543
3.	Estimated population supplied,	46,043
4.	Estimated total gallons consumed,	1,751,410,900
5.	Passed through meters A	460,111,500
6.	Passed through meters B	

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7.	Estimated average daily consumption, gallons,	4,798,386
8.	Gallons per day to each inhabitant, . .	102.00
9.	Gallons per day to each consumer (3), .	104.22
10.	Gallons per day to service tap, . .	1,300

DISTRIBUTION.

1.	Kind of pipe used—wrought and cast iron and lead lined.	
2.	From one-half (½) inch to thirty (30) inches.	
3.	Extended 2,300 feet large.	
4.	Discontinued, ...	none
5.	Mains 4-inch and upwards, . . .	77.61 miles
6.	Temporary mains less than 4 inches, . .	5.72 miles
7.	Total length of distribution, . . .	83.33 miles
8.	Number of leaks, in city, 2; in Fomer line, 2,	4
9.	Cost of repairs per mile, ...	$7.44
10.	Hydrants added, ...	7
11.	Hydrants now in use (public), . . . and 195 private hydrants, (see table G.)	576
12.	Stop gates added, ...	13
13.	Stop gates now in use (see foot Table E,)	792
14.	Stop gates less than 4-inch, . . .	15
15.	Number of blow-off gates, . . .	31
16.	Range of pressure on main at office, per day and night, 45 to 60 pounds. Main street per day and night, 80 to 100 pounds.	
17.	Standpipes added, ...	1
18.	Standpipes now in use, ...	55
19.	Gates repaired, ...	3
20.	Gates replaced, ...	0

SERVICE.

21.	Cement, rubber lined, enameled, cast iron, lead lined and galvanized.	

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22.	From one-half to 4-inch size of service.	
23.	Leaks,	5
24.	Cleaned,	11
25.	Frozen services thawed out,	5
26.	Replaced services,	72
27.	Extended (estimated),	540 feet
28.	Discontinued,	11
29.	Total now in use (estimated),	73,820 feet
30.	Services added,	27
31.	Number now in use,	3,691
32.	Average length of service,	20 feet
33.	Average cost of service,	$16.62
34.	Meters added,	15
35.	Meters discontinued,	10
36.	Meters repaired,	62
37.	Meters now in use,	243
38.	Motors and elevators discontinued,	4
39.	Motors and elevators added,	5
40.	Motors and elevators now in use,	98
41.	Gates repaired,	none
42.	Hydrants replaced,	2
43.	Hydrants discontinued,	none
44.	Hydrants repaired,	27
45.	Sidewalk boxes repaired,	1

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CIVIL ORGANIZATION OF THE WATER WORKS FROM THEIR COMMENCEMENT TO DECEMBER 31, 1902.

WATER COMMISSIONERS FOR CONSTRUCTION OF THE WORK—ELECTED BY THE TOWN OF HOLYOKE.

WILLIAM B. C. PEARSONS, Chairman of the Board, elected March 21, 1872; term expired February 2, 1874.

JOHN DELANEY, elected March 11, 1872; term expired February 2, 1874.

JOHN E. CHASE, elected March 21, 1872; resigned March, 1873.

DENNIS HIGGINS, elected March 21, 1872; term expired February 2, 1874.

JOEL RUSSELL, Treasurer of the Board, elected March 21, 1872; term expired February 2, 1874.

J. P. BUCKLAND, Clerk of the Board, elected March 21, 1872; term expired February 2, 1874.

L. P. BOSWORTH, successor to John E. Chase, elected March 18, 1873; term expired February 2, 1874.

C. W. RANLET, *ex-officio*, as Town Treasurer.

ENGINEERS AND SUPERINTENDENTS FOR CONSTRUCTION OF WORKS.

MESSRS. SHEDD & SAWYER of Boston, Mass., consulting engineers.

E. C. DAVIS, engineer and superintendent.

DAVIS & ELLSWORTH, engineers, succeeded E. C. Davis, May, 1873.

MOSES STEVENS, pipe inspector.

WATER COMMISSIONERS ELECTED BY THE CITY COUNCIL.

J. P. BUCKLAND, elected February 2, 1874; term expired February 5, 1877.

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DENNIS HIGGINS, elected February 2, 1874; term expired January 2, 1876.

JAMES G. SMITH, elected February 2, 1874; deceased July 10, 1878.

J. A. SULLIVAN, elected February 25, 1876; term expired January 6, 1891.

JAMES F. ALLYN, elected February 5, 1877; term expired January 4, 1886.

C. H. HEYWOOD, elected July 16, 1878; term expired January 11, 1880.

TIMOTHY MERRICK, elected January 11, 1881; term expired January 4, 1887.

MAURICE LYNCH, elected January 4, 1886; term expired January 5, 1892.

JAMES E. DELANEY, elected January 4, 1887; resignation accepted January 7, 1887.

MOSES NEWTON, elected January 18, 1887; term expired January 2, 1893.

JAMES J. CURRAN, elected January 6, 1891; resignation accepted February 4, 1896.

MARTIN P. CONWAY, elected January 5, 1892; term expired January 3, 1898.

CHARLES D. COLSON, elected January 2, 1893; term expired February 1, 1900.

JOHN J. SULLIVAN, elected January 27, 1896.

THOMAS F. GREANEY, elected January 3, 1898; term expired February 1, 1901.

JOSEPH A. SKINNER, elected January 1, 1900.

MAURICE LYNCH, elected January 7, 1901; deceased January 17, 1902.

ARTHUR M. FRENCH, elected February 4, 1902.

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REPORT OF
FIRE COMMISSIONERS.

OFFICE OF FIRE COMMISSIONERS,
HOLYOKE, MASS., Dec. 22, 1902.

To the Honorable Mayor and City Council:

GENTLEMEN:—In compliance with the requirements of the City Ordinance your Board of Fire Commissioners present their report for the year ending December 1, 1902.

The Board organized January 7, 1902, by the election of Charles L. Newcomb as chairman, Daniel Proulx as vice-chairman and John Hildreth as Secretary. Your Commissioners have held twenty-four formal meetings, and many informal meetings during the past year.

There have been 165 fires and alarms during the past year with the total damage to buildings and contents of $29,149.19. Of this amount $27,768.13 was paid by insurance companies leaving a net loss to our citizens of $1,388.06. A more detailed account of the fires and losses will be found under the head of fires and alarms.

On January 1st, we re-organized the fire department, changing it from a call to a permanent department We have been gradually bringing about this change for a number of years, and a careful examination of the work done by the department will we think, justify the change. A total fire loss of only $29,149.19 for the year speaks volumes for the efficient work done by our firemen. Under our new system we are enabled to get a sufficient number of trained permanent men to every fire within a few minutes, to control it, unless it is a very large fire.

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When you see the Dispatch wagon with its nine alert and skillful firemen speeding to a fire give them the right of way and do not stand and criticise. Remember that their mission may be one of life or death, and that the delay of a few seconds may result in the loss of precious human life and thousands of dollars worth of property. We regret to say that there have been three deaths resulting from fire during the past year, viz.:—Mary Duke, Cora Fortin and Mrs. William Spring. Two of these persons lost their lives by fires which were caused by children playing with matches, and the other through the careless use of gasolene. There were four other cases where persons were seriously burned, but fortunately they did not lose their lives. Three of these fires were caused by the careless use of gasolene. As usual, we have had many fires resulting from the careless handling of matches, gasolene and kerosene lamps, and we urge upon our citizens the necessity of using greater care in the handling of these useful, but dangerous commodities.

Six of our firemen have received serious injuries during the past year, but fortunately none of them resulted fatally. The names of the injured men were as follows, viz.:—J. J. Callahan, Frank N. Bligh, Louis LaBrecque, P. T. Kennedy, F. Donoghue and M. Bowler. During the year there have been some firemen on duty all day at the telephone and we have found this to be a great advantage, especially when a still alarm is called in, of which we have had forty-six during the past year, when a few moments delay in getting word to the department might possibly result in very serious loss.

The Commissioners congratulate our citizens upon the very successful year we have had from a fire department stand-point. The change from a call force to a permanent force and the distribution of the men has been very well done under the efficient management of our Chief, and we cannot speak too highly of the courage and zeal displayed by both officers and men in the pursuit of their dangerous and arduous duties.

We thank the Honorable Mayor and Board of Aldermen for their generous treatment of the department, and we have tried to wisely expend the money appropriated in the best possible

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manner, and we make the following recommendations and trust that you will give them that consideration which they deserve.

First. We again recommend that a new engine house be erected to replace House No. 1, on High street. During the past year your Honorable Board gave the Commissioners and Board of Public Works authority to obtain options on lots for a new engine house, and report back to the Board of Aldermen. Options were obtained and a report was made to the Board of Aldermen but no action was taken. We earnestly recommend that steps be taken early this year to purchase a lot. The importance of this cannot be too strongly stated.

Second. We again report our recommendations of the last two years that House No. 3 should be enlarged in accordance with the plans of our City Engineer, and that the extension should be placed on the west side. This house is altogether too crowded, there is neither room enough for the apparatus or horses that are kept there.

Third. House No. 4 is very poorly adapted for an engine house and again we recommend that this house be sold and a new modern fire engine house be erected nearer the center of the ward. This ward is building up so rapidly that it soon will be impossible to obtain a desirable location.

Fourth. Engine No. 3 has been in active service for over sixteen years and needs to be overhauled and a new boiler put on, and we would recommend that it be equipped with a new Fox boiler, which will make it an up-to-date machine.

Fifth. We sincerely trust that the Board of Water Commissioners will continue to improve the high level service as the pressure is not yet what it should be on the Highlands and at Elmwood. This is a serious matter and deserves the best consideration of the Water Commissioners.

Sixth. We recommend that a new ten circuit repeater be put in the fire alarm department in the near future, as we have out-grown the present repeater and it is dangerous to continue to use it much longer.

Seventh. We recommend that there be an increased appropriation for salaries to enable your Fire Commissioners to increase

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the salaries of our firemen, and we trust that you will give this matter your careful attention.

HORSES.

We have thirty-nine horses in the department, and while the horses are in very good condition our experience has shown that a number of them may be disabled in a very short time. We have been obliged to purchase nine horses during the past year, and this branch of our department continues to be very expensive, and we are hoping that the time is drawing near when some form of a horseless carriage can be used to advantage in the fire department, but as yet we have not been able to find anything that meets the requirements of this service.

HAY AND FEED.

We have the usual quantity of hay, feed and bedding on hand.

HOUSES.

The engine houses, on the whole, are in a very good state of repair. We have suggested various changes and improvements that are necessary in our recommendations, to which we earnestly call attention.

APPARATUS.

The apparatus is generally in good condition, with the exception of steamer No. 3. This steamer has been in active service for sixteen years, and it will be necessary to put a new boiler on this steamer, and we recommend that a new Fox Boiler be put on the steamer during the coming year. We have purchased a new wagon for Despatch Company No. 1, as the wagon that has been in use the past year is not adapted to the

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very severe demands now made upon it, as this piece of apparatus responds to every alarm, and has to carry nine men and considerable hose, so that it requires a wagon built specially for this kind of work. The apparatus now in active service consists of six steam fire engines, two double tank chemical engines, one combination hose and chemical wagon, six two-horse hose wagons, one aerial truck, two hook and ladder trucks, five exercise and supply wagons, one chief's buggy, one superintendent of fire alarm wagon, three sleighs, and one automobile.

HOSE.

We have purchased during the past year 3,000 feet of new hose. For the last few years we have been buying a higher grade of hose than heretofore and our experience has been that in the long run it is more profitable to buy a good grade of hose rather than a cheap grade. We have in the department the following hose, viz:—

	GOOD	FAIR	POOR	TOTAL
House No. 1,	7,500	——	——	7,500
House No. 2,	3,800	600	500	4,900
House No. 3,	2,000	900	100	3,000
House No. 4,	3,200	——	400	3,600
House No. 5,	2,200	——	100	2,300
House No. 7,	2,800	——	——	2,800
Total,	21,500	1,500	1,100	24,100

LOCATION AND ASSESSORS' VALUATION OF FIRE ENGINE HOUSES.

House No. 1, No. 310 High street,
value of house and land, . . . $30,000.00
House No. 2, No. 452 Main street,
value of house and land, . . . 24,000.00

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House No. 3, West Hampden street, value of house and land,	11,750.00
House No. 4, North Main street, value of house and land,	15,080.00
House No. 5, South street, value of house and land,	12,220,00
House No. 6, No. 62 Chestnut street, value of house and land,	7,000.00
Total,	$100,050.00

FIRE ALARM TELEGRAPH.

In the near future it will be advisable to put the wires in the thickly settled portions of our City under ground. This will entail considerable expense, but the safety of the City will necessitate this being done. The liability to damage to the overhead system is too great to be continued longer than is absolutely necessary, and very much of the success of the fire department depends upon the efficient working of our fire alarm system, and we cannot speak too highly of the experience of the superintendent in maintaining this system at its present high state of efficiency. We have put in three new fire alarm boxes during the past year, viz:—Box No. 84, Fairfield avenue; Box No. 85, corner of North Pleasant and Harvard streets and Box No. 135, in the car sheds of the Holyoke Street Railway. There is in this department the following property, viz:—

Strong current protector board,	$250.00
Storage battery,	670.00
Case and switchboard,	80.00
79 miles of wire,	1,175.00
4 tower bells and strikers,	6,950.00
1 six-circuit repeater,	1,500.00
12 mechanical gongs, in engineers' houses,	500.00
157 telegraph poles,	508.00
75 Gamewell signal boxes,	9,375.00

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41 private Gamewell signal boxes,	
6 18-inch gongs and indicators,	1,500.00
3 indicators without gongs,	375.00
1 dead-man,	3.00
200 locust pins,	8.00
6 stop clocks,	42.00
Horse,	100.00
Wagon,	250.00
Harness, etc.,	30.00
Sleigh,	40.00
3 pike poles, 1 cant hook, 1 crowbar, 2 shovels,	11.25
Total,	$23,367.25

FINANCE.

The following is a statement of the receipts and expenditures for the year ending December 1st, 1902:

Total appropriations for Fire Department,	$69,000.00
Unexpended balance from last year,	507.35
Receipts from sale of horses,	668.01
Receipts for service of men for street watering, etc.,	533.73
Total,	$70,709.09

EXPENDITURES.

Expended for salaries,	$50,141.94
Pay of members,	932.34
Hose,	2,400.00
Repair and contingent account,	16,961.04
Total expended,	$70,435.32
Balance unexpended,	273.77
Total,	$70,709.09

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SALARIES PAID IN DEPARTMENT.

Chief Engineer, per year,	$1,900.00
Superintendent of fire alarm and telegraph, per year,	1,200.00
Secretary of Commission, per year,	500.00
Veterinary, per year,	500.00
First Assistant Engineer and Captain, per year,	1,100
Second Assistant Engineer, per year,	750.00
Two permanent engineers of steamers, per year, each,	900.00
Captain of chemical, per year,	900.00
Captains, per year,	825.00
Engineers of chemical, per year,	780.00
Drivers and permanent men, per year,	780.00
Three engineers of steamers, per year,	300.00
One engineer of reserve steamer, per year,	250.00
Six stokers of steamers, per year,	200.00
Permanent men in department, first year,	600.00

FIRES AND ALARMS.

The number of fires and alarms during the past year was 165, of which 84 were rung in from signal boxes and 46 still alarms, and there were 35 fires where no alarm was given. There were five false alarms. The following is a statement of the valuation of property endangered by fire and the insurance on said property, together with the amount of the losses by fire and the amount paid by insurance companies, viz:

Buildings,	$1,875,545.00
Contents,	500,060.00
Total,	$2,375,605.00
Insurance on buildings,	$947,230.00
Insurance on contents,	367,075.00
Total,	$1,314,305.00

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Damage to buildings,	$14,864.79
Damage to contents,	14,284.40
Total,	$29,149.19
Insurance paid on buildings,	$14,641.79
Insurance paid on contents,	13,119.34
Total,	$27,761.13
Total damage,	$29,149.19
Total insurance paid,	27,761.13
Total net loss on 165 fires,	$1,388.06

The average loss per fire above insurance was $8.41.

The number of fires and alarms during each month in the year has been as follows, viz:—

December, 1901,	13
January, 1902,	17
February, "	16
March, "	22
April, "	10
May, "	16
June, "	15
July, "	7
August, "	18
September, "	12
October, "	11
November, "	8
Total,	165

The causes of the different fires and alarms are classified as follows, viz:—

Children and matches,	9
Unknown,	12
Kerosene lamp exploded,	2

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Spontaneous combustion,	1
Set by boys,	14
Careless use of matches,	4
Kerosene lamp upset,	8
Sparks from a locomotive,	4
Defective chimney,	3
Caught from a stove pipe,	1
Candle set Christmas tree on fire,	1
Over-heated stove pipe,	1
Over-heated bearing,	1
Sparks from a match,	8
Set by a candle,	1
Alcohol lamp upset,	1
Set from a pipe,	7
Set from a cigar stub,	5
Gasoline and match,	1
Sparks from a chimney,	1
Smoke from lamp,	1
Smoke from stove,	1
Soot on fire in chimney,	9
Over-heated stove,	2
Disconnected gas pipe,	3
Sparks from a stove,	1
Sparks from a fire-place,	1
Brush fire,	2
Careless use of Gasoline,	2
Tar kettle boiled over,	4
Over-heated furnace pipe,	1
False alarm,	5
Pot of grease caught fire,	2
Incendiary,	1
Hot ashes,	8
Gas jet set trimming on fire,	1
Lamp set curtain on fire,	1
Lamp set ceiling on fire,	1
Struck by lightning,	2
Lamp set trimmings on fire,	1

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Gasoline stove exploded,	4
Leak in gas pipe,	2
Probably children,	3
Caught from a lamp,	1
Clothes near stove caught fire,	2
Lighted taper set drapery on fire,	1
Rubbish caught fire,	4
Caught from boiler,	1
Friction pulley,	2
Set by tramps,	1
Smoke from charcoal flat-iron,	1
Hot box,	2
Defective funnel,	1
Draft from boiler,	1
Brasier's lamp exploded,	1
Over-heated furnace stack,	1
Probably matches in clothing,	1
Over-heated chimney,	1
Collapse of stock-house,	1
Total,	165

PERMANENT FORCE.

John T. Lynch, chief engineer.
John Castle, superintendent of Fire Alarm Telegraph.
J. J. Callahan, lineman.
P. J. Reilly, first assistant chief and captain of Steamer and Dispatch Co. No. 1.
Joseph M. Lafrance, second assistant chief and captain.
Daniel J. Gorman, captain of Chemical No. 1.
Charles H. Knapp, engineer of Steamer No. 3.
Louis Labrecque, engineer of Steamer No. 5.
James Brady, captain of Steamer No. 2.
P. J. Hurley, captain of Hose No. 6.
Samuel D. Loomis, captain of Steamer No. 3.

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W. H. Strain, captain of Steamer No. 4.
George F. Orrell, captain of Hook & Ladder No. 2.
James J. Long, captain of Hose No. 7.
John P. Wynn, lieutenant of Chemical No. 1.
T. Harrington, driver of Chemical No. 1.
Daniel Hogan, captain of Steamer Co. No. 5.
James O'Grady, permanent man.
J. J. Casey, lieutenant of Hook & Ladder No. 1.
J. J. Crowley, permanent man.
P. T. Kennedy, permanent man.
James Lynch, driver of Hose Co. No. 2.
D. J. Brennan, lieutenant of Hose No. 6.
J. J. Sullivan, driver of Steamer Co. No. 2.
J. J. Hallisey, lieutenant of Steamer Co. No. 5.
A. Tardy, driver of Hose No. 3.
M. D. Meade, driver of Flying Squadron and Dispatch Co. No. 1.
D. Moynahan, driver of Steamer Co. No. 3.
John Welsh, permanent man.
D. J. Lynch, driver of Steamer Co. No. 4.
P. J. Kennedy, driver of Steamer No. 5.
Frank S. Lynch, driver of Hose Co. No. 7.
William Brady, driver of Hose Co. No. 6.
John J. O'Donnell, permanent man.
George A. Ellison, driver of Hook and Ladder No. 2.
C. F. Aurnhammer, driver of Hook and Ladder No. 3.
J. M. Riley, lieutenant of Steamer and Dispatch Co. No. 1.
J. J. Manning, lieutenant of Hose Co. No. 7.
D. Downing, permanent man.
P. F. Sullivan, permanent man.
Walter Watt, permanent man.
T. O'Rourke, permanent man.
D. McLean, lieutenant of Steamer Co. No. 2.
J. F. Rohan, lieutenant of Steamer Co. No. 3.
T. Conway, driver of Hose Co. No. 4.
E. F. Gilday, lieutenant of Steamer Co. No. 4.
A. Gruenert, permanent man.
M. Bowler, permanent man.

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M. Donoghue, permanent man.
J. J. Fenton, permanent man.
P. J. Fitzgerald, permanent man.
F. N. Bligh, tillerman.
James Gately, permanent man.
Thomas Ash, driver of Hose Co. No. 5.
John B. Moreau, permanent man.
Patrick Rohan, permanent man.
E. C. Buckley, permanent man.
J. J. Moriarty, permanent man.
Patrick Gaughan, driver of Hook and Ladder No. 1.
J. J. Ryan, permanent man.
A. F. Mulqueeny, driver of Chemical No. 3.

HOOK AND LADDER NO. 1.

Joseph M. Lafrance, second assistant engineer and captain, 310 High street, 1869.
John J. Casey, lieutenant, 310 High street, May 23, 1893.
James J. Crowley, permanent man, 310 High street, January 7, 1892.
John J. Moriarty, permanent man, 310 High street, September 26, 1898.
John J. O'Donnell, permanent man, 310 High street, 1900.
James Gately, permanent man, 310 High street, June 29, 1898.
Patrick J. Gaughan, driver, 310 High street, 1902.
Frank N. Bligh, tillerman, 310 High street, 1893.
J. J. Callahan, lineman, 310 High street, 1898.

HOOK AND LADDER NO. 2.

George F. Orrell, captain, Hampden street, February, 1894.
Patrick F. Sullivan, permanent man, 288 Hampden street, January, 1902.
George A. Ellison, driver, 288 Hampden street, February, 1895.

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STEAMER AND DISPATCH CO. NO. 1.

Patrick J. Reilly, first assistant engineer and captain, 310 High street, May 23, 1893.
Joseph M. Riley, lieutenant, 310 High street, September 5, 1899.
John J. Fenton, permanent man, 310 High street, January, 1902.
Dennis Downing, permanent man, 310 High street, January, 1902.
John Welch, permanent man, 310 High street, August, 1892.
Walter Watt, permanent man, 310 High street, February 15, 1892.
James O'Grady, permanent man, 310 High street, April, 1896.
Patrick J. Rohan, permanent man, 310 High street, May 19, 1902.
Michael D. Meade, driver, permanent man, 310 High street, December 12, 1900.

STEAMER CO. NO. 2.

James Brady, captain, 452 Main street, January 21, 1891.
Daniel McLean, lieutenant, 452 Main street, August 5, 1899.
Thomas O'Rourke, permanent man, 452 Main street, March 14, 1895.
John B. Moreau, permanent man, 452 Main street, January 13, 1902.
James J. Sullivan, driver, 452 Main street, March 19, 1896.
James Lynch, driver hose, 452 Main street, October 15, 1886.

STEAMER AND CHEMICAL NO. 3.

Samuel D. Loomis, captain, 288 Hampden street, July 2, 1884.
John F. Rohan, lieutenant, 288 Hampden street, January 29, 1879.
Albert Tardy, driver hose, 288 Hampden street, April, 1892.
Austin F. Mulqueeny, driver chemical, 288 Hampden street, May 20, 1895.
Daniel Moynahan, driver, 288 Hampden street, April 15, 1892.
Chas. H. Knapp, engineer of steamer No. 3, 288 Hampden street, August 2, 1870.

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STEAMER NO. 4.

W. H. Strain, captain, 2 Canal street, April 30, 1880.
E. F. Gilday, lieutenant, 2 Canal street, January, 1902.
Patrick J. Fitzgerald, permanent man, 2 Canal street, January, 1902.
Thomas Conway, driver hose, 2 Canal street, January, 1902.
Daniel J. Lynch, driver of steamer, 2 Canal street, 1896.

STEAMER NO. 5 AND HOOK AND LADDER NO. 3.

Daniel Hogan, captain, 116 South street, February 5, 1882.
J. J. Hallisey, lieutenant, 116 South street, July 3, 1892.
P. T. Kennedy, permanent man, 116 South street, August 5, 1893.
August Gruenert, permanent man, 116 South street, January, 1902.
P. J. Kennedy, driver, 116 South street, January 1, 1900.
C. F. Aurnhammer, driver, 116 South street, September 6, 1898.
Louis Labrecque, engineer of steamer, 116 South street, November 1, 1887.
Thomas Ash, driver hose, March, 1899.

HOSE NO. 6.

Patrick J. Hurley, captain, 452 Main street, March 14, 1893.
Daniel J. Brennan, lieutenant, 452 Main street, April 6, 1885.
Michael Bowler, permanent man, 452 Main street, January, 1902.
Michael Donoghue, permanent man, 452 Main street, January, 1902.
William Brady, driver hose, 452 Main street, May 11, 1900.

HOSE NO. 7.

James J. Long, captain, 62 Chestnut street, August, 1890.
John J. Manning, lieutenant, 62 Chestnut street, September 5, 1899.

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Edmund C. Buckley, permanent man, 62 Chestnut street, January, 1902.
Frank Lynch, driver hose, 62 Chestnut street, February 20, 1895.

CHEMICAL ENGINE NO. 1.

Daniel J. Gorman, captain, 314 High street, February 15, 1892.
John P. Wynn, lieutenant, 314 High street, January 25, 1892.
Timothy Harrington, Driver, 314 High street, January 6, 1876.

CALL ENGINEERS AND STOKERS.

STEAMER NO. 1.

Frank A. Shelly, engineer, mechanic, 35 Newton place, April, 1876.
White P. Bidwell, stoker, paper finisher, 37 Newton place, April, 1876.

STEAMER NO. 2.

James A. Flynn, engineer, machinist, November 6, 1900.
Edward Ahearn, stoker, moulder, 407 Main street, August 5, 1899.

STEAMER NO. 3.

L. F. Thorpe, stoker, carpenter, 22 Waldo street, March, 1892.

STEAMER NO. 4.

Thomas Ryan, engineer.
John F. Mahoney, stoker, tinner, 2 Center street, 1898.

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STEAMER NO. 5.

A. P. Cadieux, stoker, machinist, 7 Brown avenue, April 7, 1891.

STEAMER NO. 6.

T. J. Lynch, engineer, machinist, 124 Maple street, November 1, 1887.

Patrick J. Cronin, stoker, April 5, 1890.

THE DEPARTMENT UNDER THE CALL SYSTEM FOR DECEMBER, 1901.

HOOK AND LADDER NO. 1.

Patrick J. Reilly, captain, permanent man, 310 High, May 23, 1893.

John J. Casey, lieutenant, permanent man, 310 High, May 24, 1893.

James J. Crowley, permanent man, 310 High, January 7, 1892.

John J. Moriarty, permanent man, 310 High, September 26, 1898.

William D. Bunnell, printer, 36 Suffolk, May 1881.

William O. Judd, teamster, 232 Appleton, August 5, 1873.

John J. Kelliher, polisher, 227 Dwight, November 6, 1890.

Frank N. Bligh, painter, 262 Hampden, September 15, 1893.

John J. Manning, laborer, 34 Walnut, September 5, 1899.

Joseph M. Riley, millwright, 56 Elm, September 5, 1899.

John J. O'Donnell, permanent man, 310 High, August 28, 1900.

P.T. Kennedy, tillerman, permanent man, 310 High, August, 1893.

William Beaulac, driver, 310 High, June 5, 1900.

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HOOK AND LADDER NO. 2.

William H. Delaney, captain, Lynwood avenue, July 8, 1884.
V. V. Goddard, lieutenant, mason, 385 Dwight, July, 1893.
J. R. Worthington, clerk, 72 Pleasant, October, 1888.
William P. Wing, painter, 315 Dwight, July 11, 1893.
B. F. Abbott, soapmaker, 15 Waldo, July, 1893.
J. M. Ricker, electrician, 16 Beacon avenue, October, 1884.
W. F. Goodell, May, 1898.

George A. Ellison, driver, permanent man, Lynwood avenue, February 2, 1895.

HOOK AND LADDER NO. 3.

George W. Hills, captain, 9 Lawler, September 5, 1881.
Enos Smith, lieutenant, loftman, 101 Brown avenue, February 4, 1892.
August Baush, machinist, 13 Brown avenue, February 1, 1892.
Alex. Tatro, papermaker, 98 Brown avenue, April 4, 1892.
George Spamer, operative, 96 Chapin, December 9, 1892.
Walter Hague, spinner, 44 Highland, December 9, 1892.
R. C. Burkhardt, grocer, 133 South, December 9, 1892.

SUBSTITUTE.

Thomas Ash, peddler, 66 Chapin, March 20, 1899.

Charles F. Aurnhammer, driver, permanent man, 116 South, September 6, 1898.

STEAMER NO. 1.

John J. Moriarty, captain, permanent man, 310 High, October 1, 1898.

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John H. Bleasius, lieutenant, machinist, 155 Oak, August 8, 1892.
Ira J. Humes, overseer, 442 High, June 12, 1894.
Joseph Menard, clerk, 59 Union, June 12, 1894.
Frank Jopson, hostler, 303 High, March, 1895.
Daniel Moriarty, paper finisher, 310 High, April 6, 1898.
William H. Wood, June 12, 1894.
James McNairn, 310 High, May 30, 1898.
Edmund Buckley, paper finisher, 310 High, March 20, 1899.
Charles Rathburn, inspector, 310 High, March 20, 1899.
William J. Sullivan, December 17, 1900.
William H. Bowler, clerk, 310 High, January 19, 1900.

A. F. Mulqueeny, driver, permanent man, 310 High, May 20, 1895.
Frank Shelly, engineer, mechanic, 35 Newton place, April, 1876.
White P. Bidwell, stoker, paper finisher, 37 Newton place, April, 1876.

ENGINE NO. 2.

James Brady, captain, permanent man, 452 Main, January 21, 1891.
Sefroi Perron, lieutenant, permanent man, 452 Main, February 15, 1892.
E. Whalen, blacksmith, 114 Race, February 26, 1895.
J. Burke, papermaker, 69 Sargeant, July 2, 1881.
J. Brennan, gunmaker, 119 Race, August 5, 1889.
T. McGrath, loom fixer, 88 Race, October 7, 1889.
D. Downing, moulder, 452 Main, January 13, 1894.
T. Rourke, beamer, 452 Main, March 14, 1895.

SUBSTITUTE.

Daniel McLean, August 5, 1899.
W. Gleason, September 6, 1898.

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James A. Flynn, engineer, machinist, November 6, 1900.
E. Ahearn, stoker, moulder, 407 Main, August 5, 1899.
James Sullivan, driver, permanent man, 452 Main, March 19, 1896.
James Lynch, driver, permanent man, 452 Main, October 15, 1886.

STEAMER NO. 3.

S. D. Loomis, captain, permanent man, 288 Hampden, July 2, 1884.
J. A. Cleveland, lieutenant, wheelwright, 62 Taylor, October 16, 1884.
C. W. Read, millwright, 71 Taylor, July 21, 1884.
M. N. Snow, papermaker, 5 Allyn, May 10, 1887.
J. F. Page, carpenter, 288 Hampden, November 7, 1893.
C. H. Abbott, soapmaker, Allyn, May 4, 1889.
W. S. Little, tinsmith, 5 Howard, January 25, 1892.
M. Whalen, papermaker, 36 Beacon avenue, July 5, 1892.

SUBSTITUTE.

M. D. Meade, December 12, 1900.
F. C. Warren, electrician, 288 Hampden, January 9, 1900.

Charles H. Knapp, engineer, permanent man, 288 Hampden, August 2, 1870.
L. F. Thorpe, stoker, carpenter, 22 Waldo, March, 1892.
A. Tardy, driver, permanent man, 288 Hampden, April 15, 1892.
Daniel Moynahan, driver, permanent man, 288 Hampden, April 15, 1892.
George A. Ellison, driver, Hook and Ladder No. 2, Lynwood avenue, February, 1895.

STEAMER NO. 4.

W. H. Strain, captain, permanent man, 2 Canal, April 30, 1898.
John Ryan, blacksmith, 58 Center, 1892.

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James Durnin, papermaker, 2 Canal, 1892.
T. H. Martin, papermaker, 60 West, 1898.
John Welch, driver hose, 2 Canal, August, 1892.
Daniel Lynch, driver, steamer, 1896.
Morris Moynahan, engineer, machinist, Dwight, 1870.
John F. Mahoney, stoker, tinner, 2 Center, 1898.

SUBSTITUTES.

M. H. Bowler,
F. McKeenzie.

ENGINE NO. 5.

George F. Orrell, permanent man, captain, 116 South, February, 1894.
Jeremiah Hallisey, lieutenant, 116 South, July 3, 1892.
J. A. Hood, tinsmith, 14 Washington, June 3, 1890.
T. E. Begley, clerk, 29 Gates, April, 1892.
M. J. Conway, clerk, Congress, September 5, 1893.
M. B. Begley, painter, 27 Gates, September 1, 1897.
James Murray, laborer, 116 South, August 2, 1888.
Frank Feather, June, 1890.

SUBSTITUTE.

Thomas Ash, peddler, 6 Chapin, March, 1899.
M. J. Donoghue, 116 South, January 19, 1900.
Louis LaBrecque, engineer, permanent man, 116 South, November 1, 1887.
A. P. Cadieux, stoker, machinist, 7 Brown, April 7, 1891.
Daniel Hogan, driver hose, 122 South, February 5, 1882.
P. J. Kennedy, driver steamer, 116 South, January 1, 1900.

HOSE NO. 6.

Patrick J. Hurley, permanent man, 452 Main, March 14, 1893.
Charles Ryan, lieutenant, surveyor, 452 Main, February 15, 1892.

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Daniel J. Brennan, permanent man, 452 Main, April 6, 1885.
John Whalen, paper trimmer, 16 Adams, February 15, 1892.
Thomas Dooling, beamer, 452 Main, February 15, 1892.
Dennis Healy, laborer, 36 Sargeant, May 5, 1892.
James J. Marrin, clerk, 452 Main, September 7, 1897.
Michael Donoghue, operative, Elmwood, June 29, 1898.
Walter S. Watt, boxmaker, 452 Main, February 15, 1892.
Frank Borlen, June 29, 1898.

William Brady, driver, 452 Main, May 11, 1900.

HOSE NO. 7.

J. J. Long, captain, permanent man, 62 Chestnut, August, 1890.
P. J. Lynch, lieutenant, mason, 62 Chestnut, August 31, 1886.
D. F. Nelligan, mason, 214 Lyman, September 24, 1879.
C. J. Doherty, wireworker, 32 Chestnut, August 25, 1874.
J. F. Rohan, mason, 226 Hampden, January 29, 1879.
M. P. Lynch, papermaker, 167 Lyman, February 16, 1876.
M. J. Casey, tender, 90 Fountain, October 5, 1891.
D. F. Shea, teamster, 82 Maple, May 10, 1893.
J. J. Prentiss, machinist, 114 Walnut, February 1, 1895.
P. J. Cronin, wireworker, 231 High, April 5, 1899.

T. J. Ryan, engineer, 124 Maple.
F. S. Lynch, driver, 62 Chestnut, February 20, 1895.
T. J. Lynch, stoker, machinst, 124 Maple, November 1, 1887.

SUBSTITUTE.

P. J. Fitzgerald.

CHEMICAL ENGINE NO. 1.

Daniel J. Gorman, captain, permanent man, 310 High, February 15, 1892.

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John P. Wynn, lieutenant, permanent man, 310 High, January 25, 1892.

Timothy Harrington, driver, permanent man, 310 High, January 6, 1876.

MANUAL FORCE.

The fire department now consists practically of permanent men, the change from a call to a permanent force having been made January 1, 1902. We now have in the department the following officers and men, viz:—Chief, two Assistant Engineers, Superintendent of Fire Alarm Telegraph, eight Captains, (the two Assistant Engineers also act as Captains,) nine Lieutenants, two permanent Engineers, sixteen Drivers, twenty-one permanent Hose and Ladder men. We have also four call Engineers and six call Stokers, making a total force of seventy-one men.

CONCLUSION.

We thank the Honorable Mayor and City Council for the courtesy and generosity shown us during the past year, and we sincerely trust that the new Board of Aldermen will make such appropriations as will enable us to keep our fire department at its present high standing, and we trust that the recommendations that we have made will receive your careful attention. We take this opportunity of thanking the Board of Public Works, the Board of Water Commissioners, the Police Department, the City Treasurer and Auditor and all other City officials for the many acts of courtesy shown us during the past year.

Respectfully yours,

CHARLES L. NEWCOMB,
DANIEL PROULX,
D. J. LANDERS.

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REPORT

OF THE

SCHOOL DEPARTMENT

OF THE

CITY OF HOLYOKE,

FOR THE FISCAL YEAR ENDING

NOVEMBER 30, 1902

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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HOLYOKE

SCHOOL COMMITTEE.

ORGANIZATION FOR 1902.

OFFICE IN ELM STREET BUILDING.

HON. ARTHUR B. CHAPIN, MAYOR.

GEORGE H. SMITH,

CHAIRMAN.

LOUIS P. NASH,

SECRETARY AND SUPERINTENDENT OF SCHOOLS.

		TERM EXPIRES JAN.
At Large	ROBERT T. PRENTISS,	1905
	WILLIAM REARDON,	1904
Ward 1	EDWARD F. CARY,	1904
Ward 2	ODILON Z. E. CHAREST,	1903
Ward 3	GEORGE P. ELLISON,	1904
Ward 4	THOMAS J. LYNCH,	1903
Ward 5	DENNIS F. CLEARY,	1905
Ward 6	GEORGE H. SMITH,	1903
Ward 7	MARCIENE H. WHITCOMB,	1905

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HOLYOKE

SCHOOL COMMITTEE.

ORGANIZATION FOR 1903.

OFFICE IN ELM STREET BUILDING.

Regular Meeting, First Monday in the Month.
(January, First Tuesday.)

HON. ARTHUR B. CHAPIN, MAYOR.

WILLIAM REARDON,
CHAIRMAN.

LOUIS P. NASH,
SECRETARY AND SUPERINTENDENT OF SCHOOLS.

		TERM EXPIRES JAN.
At Large	WILLIAM REARDON,	1904
	ROBERT T. PRENTISS,	1905
Ward 1	EDWARD F. CARY,	1904
Ward 2	ODILON Z. E. CHAREST,	1906
Ward 3	GEORGE P. ELLISON,	1904
Ward 4	JOSEPH F. SULLIVAN,	1906
Ward 5	DENNIS F. CLEARY,	1905
Ward 6	EDWARD J. GORMAN,	1906
Ward 7	MARCIENE H. WHITCOMB,	1905

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STANDING COMMITTEES

FOR 1903.

High School—Messrs Prentiss, Cleary, Reardon.

First District—Messrs. Whitcomb, Gorman, Prentiss.

Second District—Messrs. Ellison, Charest, Reardon.

Third District—Messrs. Cleary, Cary, Sullivan.

Rules—Messrs. Cary, Gorman, Whitcomb.

Finance and Accounts—Messrs. Gorman, Cleary, Prentiss.

Salaries—Messrs. Gorman, Ellison, Sullivan.

Text Books and Courses of Study—Messrs. Charest, Whitcomb, Prentiss.

Printing and Supplies—Messrs. Whitcomb, Charest, Reardon.

Music—Messrs. Sullivan, Whitcomb, Ellison.

Drawing and Writing—Messrs. Cary, Gorman, Prentiss.

Manual Training and Kindergartens—Messrs. Ellison, Gorman, Sullivan.

Health and Physical Culture — Messrs. Cleary, Gorman, Cary.

Evening Schools—Messrs. Charest, Cleary, Cary.

Attendance, Census and Truancy — Messrs. Sullivan, Charest, Prentiss.

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CALENDAR.

SCHOOL YEAR 1903-1904.

Winter Term, ...	begins January 5, 1903.
Winter Term, ...	ends April 3, 1903.
Summer Term, ...	begins April 13, 1903.
Summer Term, ...	ends June 26, 1903.
Fall Term, ...	begins August 31, 1903.
Fall Term, ...	ends December 18, 1903.
Winter Term, ...	begins January 4, 1904.
Winter Term, ...	ends March 25, 1904.
Summer Term, ...	begins April 4, 1904.
Summer Term, ...	ends June 24, 1904.

VACATIONS.

December 20, 1902, to January 4, 1903, inclusive.
April 4 to April 12, 1903, inclusive.
June 27 to August 30, 1903, inclusive.
December 19 to January 3, 1904, inclusive.

HOLIDAYS.

Every Saturday, Fourth of July, Washington's Birthday, Good Friday, Memorial Day, Thanksgiving Day with the day following, New Year's Day, Patriots' Day, and Labor's Holiday.

Regular Meetings of the School Committee—The first Monday evening in each month at eight o'clock; except in January, when the monthly meeting will be the first Tuesday.

Accounting Committee's Meetings—Upon notification.

Stormy Day Signals—For omission of forenoon session, signal at 7.30 o'clock; for omission of afternoon session, at 12.30 o'clock.

Signal—Two strokes repeated once after the lapse of a minute and a half.

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REPORT OF THE

SCHOOL COMMITTEE.

To his Honor the Mayor, and the Citizens of Holyoke:

The School Committee respectfully submit their annual report for the year nineteen hundred two.

The school department has been carried on during the year with harmony and in good order, and the Committee feel that the year has been a successful one. Our public schools cost a great deal of money, and as the city grows, the cost must be expected to increase. The School Committee ought therefore to practice the most careful economy; every dollar of the people's money ought to bring its full return. At the same time, we cannot afford to be niggardly, but must practice a reasonable liberality, in proportion as the interests concerned are important and vital. The public school is the most precious possession of the people; the money for schools is always willingly voted, and we are sure that no public expenditure is more useful than the expenditure for schools.

The school system of Holyoke has been comparatively more expensive than systems in other cities. Owing to a variety of causes, the school department had been so organized as to carry up the cost to a high figure. When the people discovered that there was only one city in the state of Massachusetts where the cost *per capita* for educating the children was as high as in Holyoke, there was sharp criticism of the conduct of the schools. Here was a state of things which the School Committee were obliged to consider. In the long run, all this expense has to be borne by the people who produce wealth. In the interest of all our people therefore, it became the duty of the Committee to re-

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duce the *per capita* expense. For several years past very careful consideration has been given to this matter, gradual and considerate changes have been made, and expense has been materially reduced, while the standard of work has been maintained. It would not do to make sweeping changes; the interests of the schools are so large and so complicated and so far-reaching that the most careful and deliberate consideration must be given before any changes are made.

The reports issued by the Committee show the expenditures in detail, and they show that expenditure *per capita* has been materially reduced. For the fiscal year 1900-1901, the total expenditure by the School Committee was $179,452.11; of this $5,035.04 was expended for furniture for new buildings, leaving $174,417.07 for the support of the schools. For the fiscal year 1901-1902, the Committee has looked very closely after expenditure, especially in the matter of school supplies, with the gratifying result that the total expenditure was $171,328.78, or a saving of $3,088.29, while at the same time the average membership of the schools was increased by 198 pupils. This means a saving of taxes for every person who lives in Holyoke.

Great pressure has been brought to bear upon the Committee to still further reduce expenditure. It has been urged that salaries should be reduced; but no great saving could be made unless there were a general reduction of all salaries, and this your Committee are unwilling to vote. Our teachers do a great deal of hard work, and salaries are none too high as they are. After long and careful consideration, we voted to try the experiment of dispensing with the services of supervisors, or special teachers, in drawing, writing, music and calisthenics. The plan of having supervisors to teach these special subjects is one that has been introduced with other improvements in school work within recent years. There are many highly successful systems of schools where no supervisors are employed. Almost all of our teachers have been trained to teach these subjects, as well as the other subjects usually taught; if any teacher is peculiarly unfitted, as perhaps in the case of a teacher who cannot sing and cannot therefore teach music well, it is possible to change with

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other teachers in the building, so that some well-qualified teacher may take the class for that particular work. The members of the Committee are keeping close and careful watch of the school work in these particulars; if it appears that the classes are suffering any considerable detriment, then supervisors may be engaged.

Attention was called in the last annual report to crowded buildings and the use of unsuitable rooms at South Holyoke. We understood that a new building was to be erected, but nothing has been done. If arrangements could be made to send pupils from South Holyoke to the empty rooms in Ward One we should be glad to do that, but such a plan seems hardly feasible. We therefore urge that a new building be provided in South Holyoke. The Elm Street building is overcrowded, and we renew the recommendation of a year ago that a new building be provided for the offices and supply rooms, so that the whole of the Elm Street building may be taken for school rooms.

Respectfully submitted,

WILLIAM REARDON,
GEORGE P. ELLISON,
DENNIS F. CLEARY.

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REPORT OF THE

First District Committee.

The first district includes the schools at West Holyoke, Highlands, Nonotuck street, School street, North Chestnut street and Elm street. There were enrolled for the last school year 1,761 pupils and 48 teachers.

The buildings of the district are in good condition. The North Chestnut street building has always been an expensive building to maintain. A radical rearrangement or a wholly new building would be the remedy. At Elm street the rooms are overcrowded and the offices of the School Department must be removed or additional room must be found in some other way.

We recommend that steps be taken at once to remove the offices so that the whole of the Elm street building may be made available for school rooms. At School street a new furnace is needed.

Respectfully submitted,
THOMAS J. LYNCH,
M. H. WHITCOMB,
GEORGE H. SMITH.

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REPORT OF THE

Second District Committee.

The buildings of the second district are in good condition, except for the long-standing need of larger and better sanitaries at South Chestnut street, Appleton street and Sargeant street. This matter has been discussed repeatedly. The Board of Public Works recognize the need, but their appropriation is strictly limited and they cannot make the improvements unless a specific appropriation is made by the Board of Aldermen for that purpose. We therefore recommend that the School Committee adopt resolutions setting forth the need of new sanitaries at Appleton street, Sargeant street and South Chestnut street, stating the probable cost, and requesting the Board of Aldermen to make an appropriation to put the buildings into proper shape. At Elmwood, we understand that drinking fountains are to be supplied, and also a rear door opening out upon the play ground.

The region which sends pupils to the North Chestnut street, Elm street, Appleton street and South Chestnut street schools is being rapidly built up with apartment houses. The buildings are already crowded; at South Chestnut street we have two classes in attic rooms, where the light is poor, and some other classes are so crowded that we have been obliged to provide an assistant teacher. It is evident that a new school building will soon be demanded for that part of the city.

There have been no changes among principals and but few among teachers in the second district during the past year. The work has gone on in general smoothly and successfully.

Respectfully submitted,

GEORGE P. ELLISON,
DENNIS F. CLEARY,
WILLIAM REARDON.

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REPORT OF THE

Third District Committee.

The third district includes the schools at Lyman street, Bridge street, Dwight street, West street, Park street, Hamilton street. It has enrolled during the past year 72 teachers, 2,598 pupils.

The Lyman street building is now rented for a parochial school, under charge of Rev. D. F. McGrath. The opening of this school took so many pupils from the public schools that three rooms in the Dwight street building and two at West street have been closed. There is now a large building in process of erection for the parochial school; when this building shall be opened, we shall doubtless recommend the closing temporarily of several more rooms in that neighborhood.

The buildings at South Holyoke are unduly crowded, and if it were practicable to send pupils from Ward Two to the schools in Ward One we should certainly recommend such a course. But so far as we have tried that plan it was not a success. We therefore asked last year for a new building in Ward Two. The Board of Aldermen directed that plans should be prepared for such a building, but apparently it has not been thought fit to obey this order of our Aldermen. As a result, we have children attending school in a hall where light is insufficient; we have some in a hired room, and many are in rooms that are too crowded. This makes our work more costly than it ought to be, and not so successful as it ought to be: the blame for this state of affairs does not rest upon the School Committee.

There is no piano at either the Bridge street or Park street building. We recommend that pianos be bought for these buildings. At West street there should be provided five hundred seats for the hall.

Respectfully submitted,

O. Z. E. CHAREST,
R. T. PRENTISS,
EDWARD F. CARY.

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REPORT OF THE

Evening School Committee.

The evening schools have been carried on upon the same lines as previously. There were enrolled 964 pupils, with an average membership of 674, and the total cost for teachers' salaries, supplies and janitor service, was $5,559.15. The expense *per capita* was therefore $8.248.

The law requires that evening schools shall be maintained for those who do not attend day school. It has however been permitted in a few special cases that pupils who attend a day school have also been allowed to enter the evening schools. It appears that this practice should be carefully guarded, and should be permitted only in cases where there is sufficient reason. The number of persons who cannot read and write the English language is decreasing in Holyoke, and the elementary evening schools may be expected to become smaller. But there is a large and increasing number of people who have some slight scholastic attainments and have ambition enough to want to get more. To encourage these people, classes are formed at all the evening schools, in which the studies are carried on to a degree of advancement corresponding to the sixth grade or further. Then there is the evening grammar school, in which it is the desire and aim of your Committee to teach any subjects that may reasonably be demanded. In connection with the evening grammar school there have been arranged certain lectures of general interest, and these have been found very popular and valuable. Under Massachusetts law, we shall be obliged to organize an evening high school as soon as the population of the city shall exceed fifty thousand.

Respectfully submitted,

WM. REARDON,
O. Z. E. CHAREST,
EDWARD F. CARY.

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REPORT OF THE COMMITTEE ON

Manual Training and Kindergartens.

At the High school, the department of Manual Training is growing, and may be expected to continue to increase. It is essential that some help should be given, since there is not time enough for a single teacher to do all the work. For the present, it would be expedient to appoint a teacher for the mechanical drawing and to assist in manual training, thus relieving Mr. McDonald to that extent. We further recommend that boys of the ninth grade take lessons in wood working once a week at the High school building; girls should have work in sewing for a corresponding time.

We have now seven kindergartens, located at the Highlands, North Chestnut street, Elm street, Elmwood, East Dwight street, Hamilton street, Springdale. There were enrolled last year 441 pupils and 13 teachers. The average membership of pupils was 234.8, the total expense of teaching and supplies, $6,135.08; the average expense for teaching and supplies was $26.59 per pupil, and the cost for teaching alone, $25.59 per pupil. The cost for teaching per pupil in the first primary grade was $15.173. It therefore has cost nearly twice as much to give a half day's teaching in kindergarten as a whole day in the first grade.

The attendance at the East Dwight street kindergarten has been very irregular; at times the number of children has not warranted the employment of two teachers; the sub-committee have kept closely in touch with the course of affairs and have tried to manage the matter in the wisest way.

Respectfully submitted,

D. F. CLEARY,
T. J. LYNCH,
EDWARD F. CARY.

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REPORT OF THE COMMITTEE ON

Printing and Supplies.

The appropriations and expenditures in this department are as follows:

	1902 Appropriation.	1902 Expenditures.
Text books,	$5,000.00	$3,356.22
Educational supplies,	5,000.00	4,810.36
Building supplies,	1,600.00	1,553.06
Printing and advertising,	500.00	794.25
	$12,100.00	$10,513.89

	1901 Appropriation.	1901 Expenditures.
Text books,	$6,000.00	$4,797.55
Educational supplies,	6,000.00	5,187.45
Building supplies,	1,500.00	1,816.85
Printing and advertising,	700.00	518.42
	$14,200.00	$12,320.27

School.	Text Books.	Educational Supplies.	Building Supplies.	Total.
High,	$526.97	$1,177.80	$261.87	$1,966.64
Appleton Street,	329.36	186.42	72.69	588.47
Bridge Street,	24.51	101.64	87.64	213.79
Dwight Street,	62.46	137.78	25.72	225.96
Elm Street,	114.74	218.32	46.06	379.12
Ewingville,	11.04	18.82	10.83	40.69
Hamilton Street,	304.62	366.37	50.08	721.07
Highlands,	916.91	377.23	131.55	1,425.69
Ingleside,	10.44	10.83	.35	21.62
Nonotuck Street,	176.93	112.94	54.82	344.69
North Chestnut Street,	43.86	163.22	30.33	237.41

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School.	Text Books.	Educational Supplies.	Building Supplies.	Total
Park Street,	83.89	122.21	39.13	245.23
Sargeant Street,	113.41	208.39	65.97	387.77
South Street,	226.44	312.30	14.97	553.71
South Chestnut Street,	156.55	165.61	40.43	362.59
Springdale,	188.86	153.24	38.78	380.88
West Street,	436.24	408.91	279.62	1,124.77
West Holyoke,	2.57	8.33	5.65	16.55
Evening Schools,	165.63	49.67		215.30
	$3,895.43	$4,300.03	$1,256.49	$9,451.95

On hand,	
Text Books,	$615.29
Paper,	431.82
Educational Supplies,	660.01
Building Supplies,	213.26
	$1,920.38

Your Committee have endeavored to look after the purchases and to see that the money of the city is faithfully and economically expended. The purchase of supplies for the school buildings has been carried on by the same plan of bidding that has hitherto been used for the purchase of educational supplies. This has no doubt saved quite a little money. We call attention to the fact that although the number of children in school is larger, the expenditures in the three departments of text books, educational supplies and building supplies are smaller than in the preceding year. By examining the table of supplies for the different buildings it will be seen that there is a very great difference. It seems reasonable to ask how it should happen that the use of books and supplies is so much larger in proportion to the number of children in some buildings than in others, and this matter should be inquired into during the coming year.

Respectfully submitted,

M. H. WHITCOMB,
O. Z. E. CHAREST,
WM. REARDON.

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REPORT OF THE

Superintendent and Secretary.

To the School Committee of Holyoke:

I have the honor to submit the thirty-ninth annual report of the Superintendent of Schools.

GENERAL STATISTICS.

Population of Holyoke, September, 1902,	47,043
Total valuation of property,	$40,739,210
Total number of children of school age (5 to 15),	10,157
Total number from 7 to 14 years of age,	7,288
Total number of pupils in all schools, year ending June, 1902,	7,089
Number under 5 years of age,	330
Number over 15 years of age,	558
Number between 7 and 14 years of age,	4,345
Average membership in all schools,	6,012.5
Average attendance,	5,451.4
Per cent of attendance,	90.6
Total income of School Department,	$176,900.86
Total expenditures,	$171,701.78
Unexpended,	$5,199.08
Expended by Board of Public Works (repairs, fuel, power and light),	$23,160.40
Total expenditure for support of schools,	$185,506.12
Cost per pupil, based on average membership,	$30.853

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Cost per pupil, based on average membership 1901,	$32.608
Average for the State, report of 1900-1901,	$26.493
Tax on one dollar of valuation,	.00459

FINANCIAL STATEMENT.

RECEIPTS.

Balance from last year,	$174.13	
Dog taxes,	1,482.91	
Tuition,	225.00	
Sale of books,	18.82	
		$1,900.86
Appropriation,		$175,000.00
		$176,900.86
Total expenditures,		$171,701.78
Unexpended balance,		$5,199.08

ESTIMATES, 1902-1903.

	Estimates 1901-1902.	Expenditures.	Estimates 1902-1903.
Day Teachers,	$135,000.00	$131,081.15	$131,042.50
Evening Teachers,	4,100.00	4,235.75	4,300.00
Superintendent,	3,000.00	3,000.00	3,000.00
Clerks,	1,300.00	1,300.00	1,300.00
Truant Officers,	2,100.00	2,100.00	2,100.00
Janitors and Help,	15,000.00	15,009.37	15,100.00
County Truant School,	800.00	673.42	800.00
Furniture,	1,500.00	1,513.96	1,500.00
Text Books,	5,000.00	3,356.22	5,000.00
Educational Supplies,	5,000.00	4,810.36	5,000.00
Building Supplies,	1,600.00	1,553.06	1,600.00
Rent,	300.00	375.00	300.00

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	Estimates 1901-1902.	Expenditures.	Estimates 1902-1903.
Printing and Advertising,	500.00	794.25	$ 700.00
Telephones,	50.00	54.86	
Freight, Express and Cartage,	200.00	197.83	300.00
Transportation of Pupils,	450.00	445.50	450.00
Office Expense,	200.00	231.91	250.00
Livery,	200.00	156.50	200.00
Laundry,			150.00
Special Help	100.00	75.61	400.00
Contingent,	450.00	737.03	1,500.00
	$176,850.00	$171,701.78	$174,992.50

CLASSIFIED EXPENDITURES.

SALARIES OF SUPERINTENDENT, CLERKS AND TRUANT OFFICERS.

Superintendent—Louis P. Nash,	$3,000.00
Clerks—Agnes M. Cadieux,	650.00
Mary J. Callahan,	650.00
Total,	$4,300.00
Truant Officers—Thomas W. Doyle,	$950.00
Edouard Cadieux,	950.00
Thomas W. Gaynor, census,	100.00
Joseph F. Curran, census,	100.00
Total,	$2,100.00

DAY TEACHERS' SALARIES.

High School,	$21,299.67
West Street,	10,860.90
Dwight Street,	4,839.08

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Bridge Street,	$5,223.84
North Chestnut Street,	6,506.23
Ewingville,	1,519.16
West Holyoke,	700.00
Elm Street,	6,590.33
Appleton Street,	8,148.38
South Chestnut Street,	6,819.42
South Street,	9,865.42
Highland,	10,796.51
Hamilton Street,	9,703.35
Park Street,	5,857.94
Sargeant Street,	5,758.26
Nonotuck Street,	4,628.08
Springdale,	3,513.08
Ingleside,	900.00
Supervisors,	4,025.00
Substitutes,	3,526.50
	$131,081.15

EVENING SCHOOL TEACHERS.

Grammar School,	$1,144.00
Chestnut Street,	1,108.00
Hamilton Street,	1,064.75
Springdale,	217.75
West Street,	701.25
	$4,235.75

JANITORS' PAY ROLL.

School.	Regular Salary.	Evening Schools.	Total.
B. F. Griffin, High,	$860.00		$860.00
P. J. Hynes, High,	708.00		708.00
Patrick Hartnett, High,	669.00		669.00

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	Regular Salary.	Evening Schools.	Total.
Mary Moynahan, High,	468.00		$ 468.00
George Hifle, High	484.00		
Highland,	93.50		577.50
John Hanley, Appleton Street,	750.00	$282.00	1,032.00
J. J. Moriarty, West Street,	900.00	225.00	1,125.00
F. J. Schirck, Hamilton Street,	790.87	235.00	1,025.87
J. M. Sullivan, Dwight Street,	600.00		600.00
J. Donoghue, Bridge Street,	595.83		595.83
J. A. Gillon, Nonotuck Street,	641.25		641.25
James France, South Street,	892.50		892.50
John Ahern, Highland,	900.00		900.00
B. J. Downie, South Chestnut Street,	720.00		720.00
P. F. Lynch, North Chestnut Street,	600.00	225.00	
Ewingville,	150.00		975.00
James Gilhooley, Elm Street,	792.00		792.00
C. R. Moreau, Sargeant Street,	596.67		
Outside Room,	40.00		636.67
William A. Moore, Springdale,	600.00	104.00	704.00
Fred P. Brown, Park Street,.	600.00		600.00
Ingleside,	60.00		60.00
West Holyoke,	50.00		50.00
Patrick Green, Highland,	142.00		142.00
Joseph Wagstaff, Highland,	56.37		56.37
Substitutes,			175.38
High School Auditorium,			3.00
			$15,009.37

FURNITURE.

High School,	$77.00
West Street,	89.57
Dwight Street,	14.85
Bridge Street,	70.40

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North Chestnut Street,	$229.75
Ewingville,	4.50
West Holyoke,	40.98
Highland,	302.02
Elm Street,	148.30
Appleton Street,	16.50
South Chestnut Street,	341.19
South Street,	33.80
Hamilton Street,	33.90
Park Street,	8.90
Sargeant Street,	24.95
Nonotuck Street,	37.35
Springdale,	10.00
General,	30.00
	$1,513.96

TEXT BOOKS.

English,	$1,319.88
Science,	105.19
Mathematics,	291.24
Geography,	839.05
History,	327.08
Music,	258.90
Calisthenics,	1.09
Latin and Greek,	89.09
French and German,	47.45
Kindergarten,	3.35
Domestic Science,	11.15
Library,	29.75
General,	33.00
	$3,356.22

EDUCATIONAL SUPPLIES.

English,	$12.73
Science,	263.25
Mathematics,	12.95

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Geography,	$118.20
Music,	51.75
Drawing,	423.08
Writing,	468.72
Paper, etc.,	2,029.97
Bookkeeping,	260.68
Kindergarten,	122.73
Manual Training,	254.44
Domestic Science,	69.57
Stenography,	21.10
Pens and Penholders,	271.00
Pencils,	168.75
General,	261.44
	$4,810.36

BUILDING SUPPLIES.

High School,	$368.03
West Street,	125.10
Dwight Street,	22.71
Bridge Street,	83.02
North Chestnut Street,	21.26
Ewingville,	3.50
West Holyoke,	2.35
Highland,	99.65
Elm Street,	32.67
Appleton Street,	51.45
South Chestnut Street,	33.03
South Street,	6.35
Hamilton Street,	40.16
Park Street,	32.14
Sargeant Street,	43.33
Nonotuck Street,	51.16
Springdale,	17.60
Ingleside,	.35
Supply Room,	519.20
	$1,553.06

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RENTALS.

Sargeant Street, ...	$375.00

MISCELLANEOUS.

County Truant School, ...	$673.42
Printing and advertising, ...	794.25
Freight and cartage, ...	197.83
Transportation of pupils, ...	445.50
Office and committee expense, ...	231.91
Livery hire (for Superintendent, Committee, Supervisors, Truant Officers and Messengers), .	156.50
Telephones, ...	54.86
Special help, ...	75.61
Unclassified, ...	364.03
	$2,993.91

SUMMARY OF EXPENDITURES BY MONTHS.

December, ...	$16,619.15	
January, ...	17,106.36	
February, ...	16,167.21	
March, ...	16,288.64	
April, ...	15,941.38	
May, ...	15,760.57	
June, ...	15,899.59	
July, ...	2,085.97	
August, ...	2,779.48	
September, ...	18,706.84	
October, ...	16,942.18	
November, ...	17,404.41	
Total for year, . . .		$171,701.78
Total receipts, . . .		176,900.86
Balance, ...		$5,199.08

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COST PER PUPIL BASED ON AVERAGE MEMBERSHIP.

	Cost Based on Total Expense.	Cost Based on Teaching Only	
		Grammar and Primary.	Kindergarten.
High School,	$60.216	$40.044	
Appleton Street,	26.979	21.272	
Bridge Street,	20.119	15.859	
Dwight Street,	24.703	19.396	$27.426
Elm Street,	24.303	18.385	30.24
Ewingville,	21.03	18.534	
Hamilton Street,	24.928	20.35	23.399
Highland,	32.787	22.536	19.48
Ingleside,	21.268	19.148	
North Chestnut Street,	29.182	24.079	32.50
Nonotuck Street,	16.13	12.891	
Park Street,	21.971	17.815	
Sargeant Street,	22.613	17.846	
South Chestnut Street,	22.336	17.30	
South Street,	24.498	19.862	27.306
Springdale,	26.502	18.069	22.251
West Street,	25.879	19.462	
West Holyoke,	30.665	26.638	
Evening Grammar,	13.14	9.225	
Evening Elementary,	7.306	5.621	

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NUMBER OF PERSONS EMPLOYED.

There are now on the pay-rolls (December) the following number of persons:

Superintendent of Schools,	1	
Clerks,	2	
Attendance Officers,	2	
		5
Principals of day schools (large buildings),	15	
High School teachers (not including principal),	20	
Ninth Grade teachers,	8	
Eighth Grade teachers,	7	
Seventh Grade teachers,	10	
Sixth Grade teachers,	13	
Fifth Grade teachers,	13	
Fourth Grade teachers,	22	
Third Grade teachers,	17	
Second Grade teachers,	17	
First Grade teachers,	24	
Ungraded school teachers,	2	
Kindergartners,	13	
Assistants,	4	
Total number of day school teachers,		185
Principals of evening schools,	5	
Evening Grammar school teachers,	7	
Evening Elementary school teachers,	41	
Total number of evening school teachers,		53
Janitors,		22
Total number persons on pay-roll in Dec. 1902,		265

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EXPENDITURES FOR SEVERAL YEARS COMPARED.

	1899	1900	1901	1902
Salaries of day teachers and Superintendent,	$126,561.78	$125,744.62	$130,214.93	$128,072.15
Kindergarten teachers,	4,267.00	4,408.59	4,942.84	6,009.00
Evening Elementary Schools,	3,099.25	2,721.25	2,978.75	3,091.75
Evening Grammar School,	835.00	761.50	1,206.00	1,144.00
Evening Drafting School,	305.00	350.00	175.00	
Truant Officers,	2,100.00	2,100.00	2,051.68	2,100.00
Janitors,	13,717.90	13,511.68	14,487.92	15,009.37
Clerks,	1,297.54	1,241.66	1,300.00	1,300.00
County Truant School,	540.16	855.13	739.28	673.42
Text books, etc.,	7,686.90	5,793.10	4,797.55	3,356.22
Educational supplies,	4,985.57	5,749.47	5,187.45	4,810.36
Printing and advertising,	578.04	640.69	518.42	794.25
Furniture,	2,299.40	1,782.69	1,502.18	1,513.96
Building supplies,	1,175.53	1,595.47	1,816.85	1,553.06
Telephones,			115.01	54.86
Livery,	99.50	152.69	131.00	156.50
Transportation of children,	22.80	191.50	447.00	445.50
Freight and drayage,	242.22	237.58	170.73	197.83
Rents,	1,800.00	2,120.00	1,105.00	875.00
Miscellaneous and contingent,	589.73	1,397.85	529.48	1,044.55
Special furniture,			5,035.04	
	$172,203.32	$171,355.47	$179,452.11	$171,701.78

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During the year there have been the following changes:

RESIGNED.

Susan M. Doane,
Walter S. Allen,
Sarah L. Hadley,
Grace Godfrey,
Lilla C. Ely,
Lillian M. Tuttle,
Joanna A. Reardon,
Lena M. Thayer,
Regina P. Morrier,
Margaret M. Green,
Mabel S. Fuller,
Isabelle H. Ferry,
Rose A. Dougherty,
Hugh Craig,
Esther A. MacDonnell,
Katherine MacDonnell,
Frantz Eger.

APPOINTED.

Mabel L. Judd,
Carrie L. Alderman,
Katherine E. Dillon,
Annie L. Stansfield,
Katherine G. Coughlin,
Mary B. Keough,
Alice H. Griffis,
Maude M. Cunningham,
Lily E. Gunderson,
Helen M. Burke,
Frances Gilday,
Elizabeth M. Feeney.

TRANSFERRED.

Mary E. McManus,
Lillian M. Hogan,
Theresa Conway,
Nora G. Linehan,
Emilie Collingwood,
Katherine E. Browne,
Ellen I. Alderman,
Margaret O'Keefe,
Hannah E. Slattery,
Frances Gilday,
Margaret G. Connor,
Emma B. Ingraham,
Agnes T. Wilkinson,
Florence L. Goddard,
Rose P. Whitney.

LEAVE OF ABSENCE.

Abbie M. Morgan,
Annie L. Kennelly,
Helen H. Ramage,
Elizabeth M. Feeney.

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STATISTICS OF ATTENDANCE.

	Number of school rooms.	Number of teachers.	Number of pupils registered.	Average No. belonging.	Average No. of pupils to a room.	Average daily attendance.	Per cent of attendance.	Days of truancy.
High School,	15	22	601	536.5	35.7	508.4	94.8	31.0
Appleton Street,	10	10	447	387.4	38.7	357.5	92.0	45.5
Bridge Street,	8	8	372	336.8	42.1	302.6	89.0	112.0
Dwight Street,	8	9	378	260.7	32.6	229.0	88.0	66.0
Elm Street,	10	11	371	344.1	34.4	306.7	89.0	36.0
Ewingville,	2	3	107	85.0	42.5	79.5	94.2	7.0
Hamilton Street,	13	14	605	484.0	37.0	444.0	92.0	68.0
Highland,	14	15	573	496.3	35.4	444.8	89.0	19.0
Ingleside,	1	1	50	47.0	47.0	43.6	92.0	
Nonotuck Street,	7	7	292	377.8	53 9	338.3	89.7	16.0
North Chestnut Street,	8	9	388	264.8	33.1	235.4	89.0	186.0
Park Street,	8	10	474	350.0	43.7	298.3	85.2	22.0
Sargeant Street,	9	9	398	358.8	39.8	329.5	91.0	84.5
South Chestnut Street,	10	11	463	400.4	40.0	363.8	90.8	42.5
South Street,	14	15	546	488 5	34.9	446.7	91.4	18.0
Springdale,	6	6	225	192.7	32.1	176.0	90.5	
West Street,	16	16	769	575.0	35.9	523.0	91.0	152.0
West Holyoke,	1	1	30	26.7	26.7	24.3	91.0	

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EVENING SCHOOLS.

	No. Pupils Registered.	Average Age.	No. Evenings in Session.
Evening Grammar School,	243	16.8	60
Chestnut Street,	222	18.0	45
Hamilton Street,	297	18.0	45
West Street,	157	17.0	45
Springdale,	45	16.0	45

Our school system continues to grow in accordance with the growth of the city. There are more than ten thousand children of school age in Holyoke and more than seven thousand enrolled in the public schools. By reference to the figures it will be seen that the *per capita* expense for several years past has been steadily reduced. For the fiscal year of 1900-1901, it cost 32.608 to educate each child. For the year 1901-1902 it cost 30.853. The school committee have the right to claim therefore, that they have been careful and economical with the money of the people, and have deserved the confidence and support which they have always received.

As our school population has increased, so the school department has been expanded to meet the need. In many of the larger cities of the country, such reasonable advancement has not been kept up; in some cities there are not school buildings enough, and hundreds of children are crowded out of school for sheer lack of room. It is earnestly to be hoped that our city will so maintain energy and public spirit and interest in the schools that such a condition may never obtain here. Several school buildings have been erected in recent years, which are an honor to the city; others will have to be provided soon. The first need is at South Holyoke. The rooms are crowded and we have one class in a hall and one in a hired room where formerly bottling was carried on. In both of these places the light is poor; and in the years of the future, these children will probably suffer the effects of the injurious treatment to which they are now subjected. It would seem to be a plain duty, hardly open to discussion, that the city should provide such accommodations for its school children that their eyes may not be injured. The district near the Elm

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street school is being built up rapidly with large apartment houses, and some relief, by providing new school rooms, or by hiring rooms, must be had very soon. We have already more pupils in most of the rooms of that building than ought to be there, and we cannot possibly take many more.

There is one change in school organization which might be made, and which would affect the demand for more buildings. All pupils of the first grade might be admitted to school for a half day only. Three hours a day of school work according to our present plan is enough for the majority of first-grade children. If the enrolment for a room were kept below thirty, there would be a great saving in the strain upon the teacher's nerves. No doubt it would be easier for a teacher to take twenty-five pupils from nine to twelve, and twenty-five different pupils from half past one till half past three, than to take the numbers that our teachers now have for the present hours of duty. Of course there are some objections to such a plan, as there are to any plan. The children would not have been taken care of by the school for so many hours of the day as they now are, relieving the mothers and keeping the children off the street both forenoon and afternoon. Also those pupils who were forced to attend in the afternoon would not be as well off as those who had the morning session. It would be necessary to change about, every two or three months. But as the size of classes would be diminished, each pupil would receive more immediate attention from the teacher. The children would work more intensively for a shorter day; this is in accordance with modern ideas about methods of work. By this plan, the same number of school rooms could be made to accommodate a larger number of children. The plan is now in operation in many places. It has been tried in some of the schools of Springfield, it is used throughout the primary grades of Syracuse, and it has been approved wherever it has been tried.

HEALTH OF PUPILS.

Our newer school houses are well ventilated, sufficiently lighted, and in most respects satisfactory. Some of the older

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ones are very faulty, and attention has been repeatedly called to evils and defects. Sanitary accommodations at Appleton street and South Chestnut street are insufficient and dangerous to health. At Park street there is only one entrance, and if it should be blocked up by fire, I do not see how pupils and teachers could escape. There are other needs perhaps less pressing than these, but still important.

Every part of the administration of the school system ought to be such as will contribute in the most positive manner to maintain and improve the health of pupils. In some cities there is a medical inspector, whose duty it is to visit schools regularly and look out for the health of the pupils. He soon detects cases of contagious disease, he is on the lookout for faulty ventilation or defective plumbing, and his services are no doubt of great value. In the absence of such an officer it becomes the duty of our principals and teachers to look out for these matters all the more carefully. A school building should be kept scrupulously clean. Fresh air and sunshine should be abundant, cheerfulness and good nature and healthy, wholesome ways should be the rule of school life. There should be singing and calisthenic exercises, and the recesses in the open air should be cultivated. There is a growing tendency to do away with the recess. Now it must be admitted that the recess is a good deal of trouble and "bother" to the teacher, but it is the precise business of the teacher to take whatever trouble may be necessary for the good of the children. The out-of-door recess, with a little vigorous exercise in the open air, is what children need. Some teachers have claimed that gymnastic exercises in the school room might do as well, but this is far from being the fact. After diligent study, sitting in enforced quiet, with attention and will-power strained to observe certain rules of conduct, the children need to throw off restraint and give some rest to the powers of will and attention. Gymnastic exercises, if they are worth anything, demand still closer attention than study. Play is movement according to impulse, in the direction of least resistance; and it is free play that our children need after prolonged exercise of attention and self-restraint. The open air recess ought therefore to be encouraged.

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Another duty of the teacher is, to look out for any children whose mental powers or whose senses may be defective. There are a great many children who suffer severely because they are slightly deaf, or near-sighted, or have some other defect. These failings are rarely discovered at home. It therefore becomes the duty of the teacher to be on the watch, and when such defects are discovered, to take such measures that the child may suffer as little as possible. In some cities all pupils are regularly examined by competent physicians, that such failings may be detected and proper care taken.

SUPERVISORS.

Until this year we have had supervisors or special teachers in our schools, to take charge of the subjects of penmanship, music, drawing and calisthenics. It is customary among cities of the rank of Holyoke and even much smaller, to have supervisors in some at least of these subjects. These supervisors were of great assistance to the teachers, and contributed much to increase the excellence of our work in their respective departments. However, it was voted by the Committee that as a measure of economy the services of these supervisors should be discontinued. As teachers, we have only of course to accept the action of the School Committee, and do the best we can. The experiment has hardly continued long enough for the exhibition of results upon which any valuable opinions could be formed, and any expression of opinion should be considered as tentative. The teachers have gone loyally about the work in these subjects, striving to keep up the standard as far as possible. Most of them have had some training in these subjects, they have profited by the instructions of the supervisors in former years, and they have been so far substanially carrying along the plans of work which the supervisors had set in operation. It appears to me that our teachers are to be commended for the willingness and the spirit which they have shown in this matter. It is because of their faithful efforts that the falling off in the work in these subjects is no greater than yet appears.

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EVENING SCHOOLS.

The evening schools constitute a most interesting and important part of our school system. There are first the elementary schools, whose office it is to teach to read and write the English language. But there are a great many lessons taught that are not set down in the books. Coming together in the evening school, and all studying together under the kindly guidance of the teachers, there are lessons of pleasant and orderly conduct, of respect and appreciation and ambition, that are of immense value. Most of those who attend these schools are immigrants from foreign countries, to whom the English language is at first a foreign tongue; and they learn here in the evening school that co-operation and harmony of action which are so necessary under our free government. They learn that they are to be respected according as they earn respect by upright, orderly, meritorious conduct; and in the few years that I have observed them, they have shown wonderful improvement. The evening school is a powerful agent in the helping of these people who come here as strangers, to make useful, helpful, honorable citizens of the Great Republic.

THE HIGH SCHOOL.

The High school under its efficient principal continues to maintain and improve its creditable standing. It is my opinion that the course in Manual Training ought to be considerably extended and improved. It is greatly to be regretted that the course in Domestic Science has been for the present discontinued. The tendency of the day in educational matters is to vigorously extend school work in all kinds of manual training. A progressive school system ought to be studying and planning and carrying out new work in this direction. Such work is expensive, but it is the kind of work that will contribute most powerfully to the future usefulness and success of our young people. A very large proportion of our graduates enter some higher institution, which gives gratifying evidence of the high ambitions of

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our people, and indicates a degree of prosperity as well, that they should be able to carry such financial burdens. The report of the principal is given below.

IN GENERAL.

The responsibility for the care and rearing and education of children must always rest with the parents. It is the function of the public or private school to do those things which may be done better or more economically by gathering together in large numbers, but the school ought not to and cannot supersede parental control and responsibility. There seems to be a growing tendency to shift almost the whole burden upon the school. It is proposed apparently to hold the schools entirely responsible for physical health, for mental growth, for moral advancement. Even the attendance of children at school seems to be too much for many parents to look out for, and they are astonished when our truant officers point out to them that they must be responsible for the attendance of their own children at school, and may be fined if they neglect that duty. The tendency to place the whole responsibility upon the schools is wrong. Our teachers are working faithfully and are doing good work, but there is needed a more earnest sense of responsibility and more careful oversight on the part of parents.

The public school is established to bring up an intelligent and virtuous body of citizens. That high task has not been fully accomplished as yet. There is much to be desired, in both intellectual and moral development, among the people of our country, and probably the greater need is in the direction of moral growth. Leaders of education ought to have it in mind as their first concern, to so plan that education shall contribute to the evolution of moral character. The personal character of the teacher is the first consideration. Teachers must of course be people of correct lives, but they ought also to be people who have the power of inspiration and leadership, such as will be potent for good in the lives of their pupils. We have many applicants for positions to teach in Holyoke; there ought to be

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some plan by which we should select those of finest, strongest character to teach in our schools. The second factor that makes for a higher type of education should be found in the school studies. Courses of study ought to be so planned as to contribute to the development of intellectual ability and especially of high character. We need a series of disciplines to develop moral power. A mere negative goodness will not suffice. Society needs men and women with cultivated power of will, with personal initiative, with energy to carry into action their ideas of right. In the temperance reform, in the amelioration of social conditions, in the better adjustment of the relations of capital and labor, the need of the hour is not alone for intellectual ability to see what is right, but for the unselfishness and high determination to carry out our right ideas. Education in the twentieth century must bend itself as never before to this supreme end of education—the development of high moral character.

I wish to commend the faithful and successful work of our teachers, who do a great deal more of hard work than the people generally are aware of; and to thank the members of the School Committee for courtesy and support and helpfulness which have been unfailing.

Respectfully submitted,

LOUIS P. NASH.

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HIGH SCHOOL.

Mr. L. P. Nash, Superintendent of Schools.

DEAR SIR:—In response to your request for the annual report of the Principal, the following is submitted.

The total registration at the end of November is smaller by eight than last year. Both the Senior and Freshman classes are smaller than those of a year ago. The attendance for the year has in it much encouragement, the average attendance, with a smaller registration, being equal to that of last year. The record for the first three months of this year is compared in the table below, with the corresponding months of the three previous years.

	Average Attendance.	Per cent Attendance.	Tardiness.
September to November inclusive, 1899	500.8	94.8	177
September to November inclusive, 1900	513.5	95.5	222
September to November inclusive, 1901	538.8	95.3	207
September to November inclusive, 1902	538.8	96.5	85

It will be seen from this table that there has been an increase since 1899 of nearly two per cent in attendance, while the tardiness has decreased more than one-half. As the per capita cost of maintaining the school is based upon the average attendance, this increase in attendance tends to make the per capita cost so much less. Teachers must be provided for the full enrolment, and if the average attendance is low, which has been the condition in the past, the cost of maintenance is correspondingly high. In this respect our school has suffered in the past in comparison with schools whose average attendance is high. But of greater and more real importance is the influence toward better work and habits on the part of the pupils, resulting from this closer application to work and recognition of a duty in regular attendance.

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ELECTIVE COURSE.

The elective course as now outlined has been in operation three years. Certain advantages and disadvantages have developed as expected, and show clearly the natural trend of any elective system. The result of the three years' elections, however, only confirms our belief that the system is desirable, but that electives must be carefully distributed through the four years, and that pupils need some supervision in the election of their individual courses. The system thus offers wide opportunity for meeting individual needs, while the most evident dangers can be avoided by careful advice to the pupil in the election of his subjects. That the pupils are actually independent of each other in the choice of courses, is shown by the elections of the present senior and junior classes. Of ninety pupils taking fourth year English, fifty-five have absolutely distinct courses. Of one hundred and twenty-nine taking third year English, fifty-six have each a course different from every other pupil. The proportion of distinct courses in the second class is much smaller, as the number of electives is smaller.

While this variety of courses presumably meets the need of individual pupils, it makes the building of a program a difficult task, and also makes it impossible to distribute the pupils into classes of uniform numbers. Some will necessarily be large, some small. This is a disadvantage. It is often necessary to form classes of pupils of different grades. This, too, is a disadvantage, particularly if pupils of the first or second years must be in a class with juniors or seniors. Naturally the system requires a larger teaching force, unless there is an over-crowding of some classes, as more opportunities must be given for recitations in each subject where there is such a general conflict of subjects. All these difficulties were foreseen in planning the course, and do not come as a disappointment or discouragement.

The most serious difficulty to meet is the tendency to regard the elective system as an opportunity to try all possible subjects in the hope evidently of finding some that are easy. Nearly a third of the pupils request changes after the opening of the year.

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Our belief is that in order to check a tendency to weakness and vacillation of purpose, pupils should be held rigidly to a course that has been deliberately chosen with the advice and consent of their parents, and in accordance with which the program has been made, and work distributed among teachers. We believe that when pupils know that they must do the elected work, they will find a way to overcome the difficulties they thought insurmountable. Our observation leads us to believe they are as likely to fail in the new choice as in the original. There are, of course, occasional changes that are manifestly necessary, and to which the above remarks do not apply.

COLLEGE PUPILS.

The Holyoke High school sends an apparently increasing number of pupils to college each year. In connection with these college pupils, two criticisms are frequently made. It is sometimes inadvisedly said that we do not have the full certificate privilege to the colleges. In reply we can say that we have whatever privilege of this nature is granted to any first-class high school. Not all our pupils, however, earn this privilege by their work in the High school, and to such the certificate is not given. Again, as the number entering college increases, the average ability of those entering decreases, as some manage to enter although with heavy conditions, but are not able to do the college work and are obliged to withdraw. The responsibility for their failure is sometimes unjustly placed on the preparatory school. The simple fact is, many are striving to go to college who are unable to meet the present college demands. The responsibility for this condition is partly the unjustifiable desire of principals to send as large a number as possible to college, and partly the worthy ambition of parents to give their children a college education if possible. But while the tendency remains, we must expect that some of our pupils will fail. In this connection, and in defense of our ability to give thorough preparation, we cite the success of Peter Gow, of the class of 1902, who took both the Latin and Greek prizes at Yale for the best entrance examination in those subjects.

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DECORATIONS.

The school appreciates the tinting of the corridors and rooms of the first floor, and adds its wish to the well-known desire of your board that the work of tinting the remainder of the walls may be done before the beginning of another school year. As evidence of their own desire for a more attractive building, the pupils have added, through their various organizations, several pictures to our collection. From the Herald, we have received "Joan of Arc," from a painting by Bastien Lepage; also "William II Prince, of Nassau," from painting by Van Dyke, and "Canterbury Cathedral"; from the Girls' Cooking Class, "Scene in Venice"; from the Dramatic Club, bust of Sophocles and bracket; from the Q Club, "Swift and Stella," a photogravure; from the Senior Class, "The Village Farm," from a painting by Constable; from the School Chorus, "A Landscape," from a painting by Ranger, and the "Lichfield Cathedral." In addition to these, Vera Lawrence, class of 1905, has presented the school a picture of "Modern Athens;" George W. Reardon, of the class of 1902, has given the English department "John Alden and Priscilla;" and a large, beautiful photograph, "The Castle of San Angelo and the Tiber" has been received from the teachers and pupils of the Appleton Street school.

RECOMMENDATIONS.

In conclusion we ask your consideration of the following recommendations: The addition of five lathes, five benches, a circular and a band saw to the equipment of the Manual Training room; the addition to our course of study of a year's work in general science, to include a term each of geology, astronomy, and botany; provision for a special teacher of music; the placing of ground glass windows in the toilet rooms; the providing for double windows for the type-writing room.

Respectfully submitted,

W. C. AKERS, Principal.

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REPORT OF
TRUANT OFFICERS.

To the School Committee of the City of Holyoke.

GENTLEMEN:—We herewith submit to your Honorable Board this report of your Truant Officers for the school year ending June 27th, 1902, together with the report of the School Census that was taken during the months of September and October. The Committee on Attendance, Census and Truancy, appointed Mr. Thomas W. Gaynor and Mr. Joseph Curran, Special Truant Officers during the time we were employed in taking the Census. These gentlemen performed the duties assigned them in a very satisfactory manner.

CENSUS.

The number of children we found in the city between five and fifteen years of age was 10,161, a gain of 341 over the school census of 1901. At the same time we took the city's population, and found it to be 47,043, a loss of 516 over last year. We cannot understand how this should be so, as the school census shows a gain of 341, and there should be a proportionate gain in the city's growth.

The following tables show the school census by districts, September 1st, 1902, September 1st, 1901, and May 1st, 1878; the gain in each district in each of these years; also the number attending the public, private and parochial schools, the number at work, and the number not at work, nor at school, etc:

Districts,	1	2	3	4	5	6	7	8	9	10	Total.
1902,	1721	1184	1600	1779	1860	537	1097	25	328	30	10161
1901,	1755	1127	1492	1785	1760	495	1095	31	251	29	9820
1878,	406	825	252	1340	114	35	105	35	26	25	3163
Gain over 1878,	1315	359	1348	439	1746	504	992	*10	302	5	6998

*Loss.

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	1902	1901	Gain	Loss
Number attending Public schools, Sept. 1st, 1902, and Sept. 1st, 1901	5386	5402	...	16
Number attending St. Jerome's schools, Sept. 1st, 1902, and Sept. 1st, 1901	1134	1101	33	..
Number attending Precious Blood schools, Sept. 1st, 1902, and Sept. 1st, 1901	1191	1119	72	..
Number attending Sacred Heart schools, Sept. 1st, 1902, and Sept. 1st, 1901	499	507	...	8
Number attending Perpetual Help schools, Sept. 1st, 1902, and Sept. 1st, 1901	709	733	...	24
Number attending Rosary Parish school, Sept. 1st, 1902, and Sept. 1st, 1901	217	....	217	..
Number attending Mt. St. Vincent school, Sept. 1st, 1902, and Sept. 1st, 1901	103	80	23	..
Number attending Holy Family Institute, Sept. 1st, 1902, and Sept. 1st, 1901	157	109	48	..
Number attending Private Kindergarten, Sept. 1st, 1902, and Sept. 1st, 1901	9	24	...	15
Number attending other Private schools, Sept. 1st, 1902, and Sept. 1st, 1901	28	17	11	..
Number at work in mills, shops and stores, Sept. 1st, 1902, and Sept 1st, 1901	381	350	31	..
Number minding house, or housework, Sept. 1st, 1902, and Sept. 1st, 1901	86	76	10	..
Number sickly, or otherwise affected, Sept. 1st, 1902, and Sept. 1st, 1901	38	12	26	..
Number at Truant or Lyman schools, Sept. 1st, 1902, and Sept. 1st, 1901	10	17	....	7
Number not at work nor at school, Sept. 1st, 1902, and Sept. 1st, 1901	213	273	...	60
Total,	10161	9820	471	130

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The following table shows the number of children in each district neither at work nor at school, between the ages of five and fifteen, to be 213 (42 less than in 1901). One hundred and seventy-nine are under the school age (7 years) and are not required by law to attend school; twenty-two are over the compulsory age (14 years), leaving but twelve children between the ages of seven and fourteen that were not attending school, which we consider is a very remarkable showing for a manufacturing city having the school population that we have:

Districts	Between 5 and 6	Between 6 and 7	Between 7 and 8	Between 8 and 9	Between 9 and 10	Between 10 and 11	Between 11 and 12	Between 12 and 13	Between 13 and 14	Between 14 and 15	Total for 1902	Total for 1901
1	42	21	1		1	1		1		9	76	
2	7										7	
3	16	3									19	
4	42	10	1	1		1	1	1	2	8	67	
5	19	2	1								22	
6	3										3	
7	9								1	2	12	
8	2										2	
9	3										3	
10										2	2	
Total	143	36	3	1	1	2	1	2	3	21	213	

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This table shows the number in each district at work in the mills, shops and stores; also the number minding house or doing house work, September 1, 1902, and, September, 1901, a gain of thirty-one over 1901 that were employed in the mills, shops and stores; also a gain of ten that were minding house or doing house work.

Districts,	1	2	3	4	5	6	7	8	9	10	1902	1901
Mills, Shops and Stores,	99	59	74	77	51	5	11		4	1	381	350
Minding house or doing housework,	6	18	35	12	11	3	1				86	76
Total,	105	77	109	89	62	8	12		4	1	467	426

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TABLE OF NATIONALITIES.

PARENTAGE	1902	1901	Gain	Loss
Irish,	3,784	3,563	221	
French,	3,416	3,420		4
American,	883	848	35	
English,	338	284	54	
German,	921	910	11	
Scotch,	413	450		37
Swedish,	13	11	2	
Italian,	75	66	9	
German Jew,	4	51		47
Belgian,	3	3		
Russian Jew,	105	37	68	
French from France,	0	2		2
Polish,	160	132	28	
Negro,	3	5		2
Danish,	24	20	4	
Alsatian,	3	3		
Bohemian,	8	7	1	
Austrian,	0	2		2
Hungarian,	1	1		
Chinese,	1	1		
Russian Pole,	3	2	1	
Greek,	0	2		2
Arabian,	3	0	3	
Total,	10,161	9,479	437	96

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The following tables show the number of absentees reported, parents or guardians notified, absent without permission, returned to school from the streets, the number of summonses served, prosecutions and committals, from each school, for each month of the school year ending June 27, 1902.

ABSENTEES REPORTED.

Schools	Sept. 1901	Oct. 1901	Nov. 1901	Dec. 1901	Jan. 1902	Feb. 1902	Mar. 1902	April 1902	May 1902	June 1902	Total
Chestnut Street,	84	129	65	46	54	69	81	89	66	68	751
West Street,	41	40	38	30	63	68	67	37	35	41	460
East Dwight Street,	28	54	35	15	34	16	23	37	27	23	292
Bridge Street,	67	92	59	40	63	36	45	46	45	34	527
Nonotuck Street,	4	6		3	3	2	6	3	4		31
Lyman Street,											
St. Jerome's,	21	35	22	13	64	66	51	104	79	43	498
Park Street,	15	48	31	35	38	45	36	29	25	23	325
Hamilton Street,	38	42	49	13	47	23	21	33	37	17	320
Sargeant Street,	34	34	28	17	21	15	14	30	18	10	221
So. Chestnut St.	34	38	51	30	39	38	21	29	31	21	332
Appleton Street,	8	43	28	44	22	35	15	21		21	237
Elm Street,	1	2	9		11	8					31
South Street,	5	12				6	7	2	13		45
Sacred Heart,	11	1	3		1	9	14				39
Precious Blood,											
Springdale,		1				1		6			8
Highlands,		3		2		2	4				11
Total,	391	580	418	288	460	439	405	466	380	301	4128

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PARENTS OR GUARDIANS NOTIFIED.

Schools	Sept. 1901	Oct. 1901	Nov. 1901	Dec. 1901	Jan. 1902	Feb. 1902	Mar. 1902	Apr. 1902	May 1902	June 1902	Total.
Chestnut Street, .	81	122	65	42	52	66	77	83	66	65	719
West Street, . .	41	40	38	28	60	66	64	37	35	37	446
East Dwight St., .	28	54	35	15	34	15	23	37	27	23	291
Bridge Street, . .	61	90	59	40	58	34	45	46	45	32	510
Nonotuck Street, .	4	6	..	2	8	2	6	3	4	..	30
Lyman Street, . .	..	..	..	..	..	..	..	..	..	..	...
St. Jerome's, . .	21	35	22	12	64	64	43	96	74	43	474
Park Street, . .	14	45	28	33	36	41	32	27	24	23	303
Hamilton Street, .	36	42	44	13	41	22	17	32	34	17	298
Sargeant Street, .	34	34	24	17	20	15	14	29	18	10	215
So. Chestnut St., .	34	37	44	28	39	34	19	27	27	20	309
Appleton Street, .	8	42	27	40	14	27	15	19	1	18	211
Elm Street, . . .	1	3	9	..	10	5	..	..	..	..	28
South Street, . .	..	10	..	..	..	9	7	4	13	..	43
Sacred Heart, . .	9	1	2	.	1	9	14	..	..	..	36
Precious Blood, .	..	..	..	..	..	..	..	..	..	..	...
Springdale, . . .	5	1	..	..	..	1	..	3	..	..	10
Highlands, . . .	..	3	..	2	..	2	4	..	..	..	11
Total, . . .	377	565	397	272	432	412	380	443	368	288	3934

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ABSENT WITHOUT PERMISSION.

SCHOOLS	Sept. 1901	Oct. 1901	Nov. 1901	Dec. 1901	Jan. 1902	Feb. 1902	Mar. 1902	April 1902	May 1902	June 1902	Total
Chestnut Street,	8	11	5	3	3	10	11	13	5	7	76
West Street,	5	4	4	4	4	7	9	2	4	3	46
East Dwight Street,	3	5	1				2		1	1	13
Bridge Street,	7	6	2		4	1	10	5	3	6	44
Nonotuck Street,				2							2
Lyman Street,											
St. Jerome's,	6	6	5	4	11	7	5	19	18	9	90
Park Street,	3	3	3	1	1		2	1	2	3	19
Hamilton Street,	7	11	4		7	9	2	2	10	4	56
Sargeant Street,	6	2	1		3	1		4	1	2	20
So. Chestnut Street,	3	7	5	2	5	5	3	9	5	5	49
Appleton Street,	2	2	1	3		1		1	1	5	16
Elm Street,	1							6		3	10
South Street,	4										4
Sacred Heart,	6				1		3				10
Precious Blood,											
Springdale,		2						1	1		4
Highlands,				2			3				5
Total,	61	59	31	21	39	41	50	63	51	48	464

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RETURNED TO SCHOOL FROM THE STREETS.

Schools	Sept. 1901	Oct. 1901	Nov. 1901	Dec. 1901	Jan. 1902	Feb. 1902	Mar. 1902	April 1902	May 1902	June 1902	Total
Chestnut Street,				1	1	3	3	4	2	1	15
West Street,		1				3			1		5
East Dwight Street,				1				1			2
Bridge Street,										1	1
Nonotuck Street,							1	1	1		3
St. Jerome's,		2		3	4	1		5		2	17
Total,		3		5	5	7	4	11	4	4	43

TRUANTS AND TRUANCIES.

From the Chestnut Street School, there were 37 truants and 76 truancies.

From the West Street School, 25 truants and 46 truancies.

From the East Dwight Street School, 8 truants and 13 truancies.

From the Bridge Street School, 20 truants and 44 truancies.

From the St. Jerome's School, 41 truants and 90 truancies.

From the Nonotuck Street School, 1 truant and 2 truancies.

From the Highland School, 3 truants and 5 truancies.

From the Park Street School, 16 truants and 19 truancies.

From the Hamilton Street School, 32 truants and 56 truancies.

From the Sargeant Street School, 10 truants and 20 truancies.

From the South Chestnut Street School, 20 truants and 49 truancies.

From the Appleton Street School, 16 truants and 16 truancies.

From the Elm Street School, 7 truants and 10 truancies.

From the Springdale School, 4 truants and 4 truancies.

From the Sacred Heart School, 9 truants and 10 truancies.

From the South Street School, 4 truants and 4 truancies.

Total truants, 253. total truancies, 464.

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TABLE OF AGGREGATES.

Month	Absentees Reported	Parents or Guardians Notified	Absent without Permission	Returned to School	Summons Served	Committals	Cases Continued
September, 1901,	391	377	61				
October, 1901,	580	565	59	3			
November, 1901,	418	397	31				
December, 1901,	288	272	21	5			
January, 1902,	460	432	39	5			
February, 1902,	439	412	41	7	1		1
March, 1902,	405	380	50	4	1	2	2
April, 1902,	466	443	63	11	2	2	
May, 1902,	380	368	51	4	4	4	
June, 1902,	301	288	48	4			
Total,	4,128	3,934	464	43	8	8	3

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TRUANCY.

Truancy has decreased somewhat over the preceding year, as is seen in the table of truants and truancies. In 1901 there were 274 truants with 553 truancies, and this year 253 truants with 464 truancies, making twenty-one less truants and eighty-nine less truancies than there was in 1901. During the year there were eight summonses served for truancy, one in February, one in March, two in April, and four in May, five were committed to the Truant school for one year, and three for two years. During the year twelve boys were discharged from the Hampden County Truant school, and are doing well. We have now at the Truant school eleven boys. The most of them will be discharged during the coming year. From December 1, 1901, to December 1, 1902, we issued 714 working certificates to minors between the ages of fourteen and sixteen years, an increase of seventy-eight over last year.

Respectfully submitted,

T. W. DOYLE,
EDOUARD CADIEUX,
Truant Officers.

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Graduating Classes.

HIGH SCHOOL.

Clara Cecelia Altenkirch,
Elizabeth Harmon Atwood,
Edward Parsons Bagg, Jr.,
Nellie Sturgis Batchelder,
Elizabeth Marie Bigelow,
*Clara Eva Bombard,
Mary Elizabeth Bowe,
Ethel Frances Burnham,
Jessie Gladdys Buss,
Josephine Eileen Canavan,
William Henry Carney,
Jennie Beatrice Cassidy,
Charlotte Emery Chase,
Joseph Theodore Chase,
Pearl Marea Chase,
Fred Percy Cleveland,
Stanley Cullen Cox,
John Simpson Crowe,
John Joseph Curran,
Joseph D'Arche,
Amelia Blanche Dean,
Katherine Miriam Delaney,
James Francis Doran,
George Bradley Downing,
Orpha Arilla Eaton,
Viva Florence Edson,
Ralph Adams Ely,
Agnes Clair Flood,
Katherine Christine Flood,
Nina Fuller,
Mary Adelle Hodge,
Elizabeth Gertrude Holloran,
Lucy Salome Humeston,
Bessie Grace Hunter,
Helen Josephine Killigrew,
Arthur Fr'd'k Christian Kjoller,
Michael Francis Leahy,
Ruth Jeannette Leavitt,
Alla Belle Legate,
Henry Edmund Lynch,
Josephine Ellen Lynn,
Donald Chase Mackintosh,
Alice McCollister,
Frank Bentley Merrick,
Karl Farrington Miller,
Helen Perrin Moore,
Frances Ella Morgan,
Rosilla Folsom Morrill,
Rose Geraldine O'Neill,
Charles Alcott Phelps,
Jessamine Colt Phelps,
Ellen Agnes Powers,
Fayette Francis Read,
George Washington Reardon,
Earl Thomas Richards,
Elizabeth Evelyn Riley,
Mary Margaret Rohan,
Katherine Gertrude Sears,
Marion Emma Sears,
Mary Laurella Shannon,

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Marguerite Lucie Gates,
Mary Evelyn Gibson,
Margaret Alouise Gillon,
Peter Gow,
Irene Guyott,
Walter Douglas Edw. Hanley,
Frank Edward Haskell,
Ella Irene Healey,
Nora Bernardine Healy,
Henry Leon Hirsch,
Guy Leonard Sickman,
Sibyl Maria Smith,
George Davis Stalker,
Lucy Tardy,
Mabel Temple,
Herbert Richard Thorpe,
James Joseph Wall,
Lavinia Isabel Whiting,
Harlow Adolphus Whitney,
William Henry Wilder,
John Timothy Wrinkle.

* Died, April 25.

APPLETON STREET SCHOOL.

Ruth Goodenough Allan,
Harry Arthur Allen,
Anderson Allyn,
Ruby Elva Anderson,
Lillian Mary Beaudreau,
Clarence Owen Blaisdell,
Thomas Richard Bligh,
Mildred Gertrude Bohmer,
George Henry Bridges,
Albert Noble Bright,
Helen Margaret Burke,
Albert Seward Canfield,
Margaret Elizabeth Carmody,
Esther Louisa Childs,
George Gilbert Clark,
Peter Augustine Connors,
Clara Agnes Elizabeth Cook,
William Henry Crosby,
James Matthew Cunningham,
Edna May Curley,
Anna Leonard Devereaux,
Edmund Jerome Dunn,
George Albert Lee,
Louis Levine,
Ruth Winnifred Loring,
Clifford Stanley Lyon,
Harry William Manning,
Charles Augustus Mason,
Arthur Dwight Maxfield,
Edward Francis McCarthy,
Sheila Belle McLane,
William Howard McTigue,
Anna Gertrude Merrick,
John Lawrence Morrison,
Walter Harrison Morton,
Hazel Kirk Munson,
Harrison Morton Pearson,
Celia Lenina Peterson,
George James Prew,
William Daniel Allan Reid,
Henry Alphonsus Rigali,
Newton Harold Russell,
Charles Howard Schick,
Bessie Aiston Schofield,

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Lena Viola Ellis,
Norman Willis Ferris,
Greta Ives Frink,
Elsworth Peter Garipay,
Isabelle McFarlane Gow,
Gladys Howland Gridley,
Bessie Ida Griffith,
Francis Cady Heywood,
Amy Helen House,
Edward Kennedy,
Peter John Kennedy,
Luke Francis Kilmurry,
Ernest Thomas Lee,
Marion Chase Severance,
Mary Hildah Shea,
Blanche Nina Smith,
Edith Louise Southwell,
Edward Joseph Stapleton,
Elizabeth Louisa Sullivan,
Frederick John Swiney
Edward James Tierney,
Mary Catherine Wall,
Bryant Davis Wetherell,
Edmund Brown Whitcomb,
Edwin Harris Whiting,
Henry Merritt Wriston,
Hugo Yakligian.

ELMWOOD SCHOOL.

Carrie B. Baxter,
Cora Bertha Bluemer,
Dorothy C. Cadieux,
Walter Edwin Clark,
Jennie E. Collingwood,
John Farr,
Mary M. Farr,
Sadie E. Gore,
Frances Marguerite Hogan,
Mae Agnes Keating,
Richard W. Koehler,
L. Alphonse Laporte,
Louise Mary Laporte,
John Anthony McCormick,
Marion Ruth Newell,
Charles T. O'Connor,
Freada Omlor,
Fayette Comins Osgood,
Colin Campbell Rae,
Lena Mary Tatro,
Nelson N. Van Brunt.

HAMILTON STREET SCHOOL.

Ellen Maria Ahern,
Catherine Hallam Ashe,
Helene Martha Brunn,
Mary Teresa Burke,
Margaret Elizabeth Buttomer,
Charles Witham Cochrane,
Lena Keller,
Margaret Loretta Kemple,
Emelia Blanche Langlois,
James Joseph Lee,
Katherine Frances Levenson,
Helen Teresa Linnehan,

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William Francis Curley,
Kathryn Agnes Devine,
Mary Veronica Donoghue,
Mary Jane Doyle,
Joseph Aloysius Duke,
Mary Helen Eckart,
William Engel,
William Fast Henderson,
Mary Magdalene Hoar,
Isabella Burnette Ironside,
Nellie May Ironside,
Carrie Frances Lippmann,
Sadie Helena Malone,
Henry Vincent Miller,
Cornelius Thomas O'Brien,
John Joseph O'Connell,
Charles William Aloysius Regan,
George Ruscoe,
James William Sanderson,
Edwyn Percy Shearer,
Michael Slotnick,
Mabel Gertrude Stone,
Mabel Eugenia Williams.

HIGHLAND SCHOOL.

Lida Mae Alderman,
Eva May Avery,
Harold Snell Birchard,
Edna Irene Blamey,
Daisie Gertrude Bridges,
Eleanor Augusta Brooks,
Hazel Smith Brown,
Arthur James Burnham,
Harold Clark Cain,
Lillian Mae Chapman,
Marion Louise Cleveland,
George Luman Craig,
Robert Parmalee Deane,
Mabel Alice Dickinson,
Angie Celia Dickinson,
John Francis Donnelly,
Carolyn Susan Evans,
Eugenie Florence Ellsworth,
Rose Helene Finn,
Florence Beulah Fowles,
Alice Elizabeth Geran,
Walter Elmer Gifford,
Catherine Sylvia Keough,
Alfred George Lavoie,
John Joseph Leary,
William Albert Lewis,
Arthur Loomis,
Mary Amelia Losty,
John William Lynch,
Gertrude Elizabeth Mangum,
Mary Theresa Mangum,
John William McFaul,
Helene Cecelia Moriarty,
Ellen Louise Morrill,
Philip Curtis Nash,
Anna Elizabeth Nugent,
John Fleming O'Shea,
James Norman Parfitt,
Arthur Louis Perrault,
Harolde William Porterfield,
Mary Frances Riley,
Thomas King Senior,
Margaret Mary Slattery,
Anna Elizabeth Slattery,

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Hannah Mary Griffin,
Francis William Hafey,
Timothy James Haley,
Harriet Mabel Hendrick,
Samuel Train Houghtaling,
Robert John Jones,
Villa Beatrice Joslin,
Raymond Dwight Kelton,
Agnes Henrietta Smith,
Doris Lapham Smith,
Ola Flavilla Stanley,
Charles Stiles,
Albert Tardy,
Ola De Ette Vining,
Clara Madeline Walsh,
Rena May Wells,
Mabelle Louise Wing.

INGLESIDE SCHOOL.

Minna Alma Kretschmar.

NORTH CHESTNUT STREET SCHOOL.

Lottie Croteau,
William Joseph Dwyer,
Patrick Joseph Herbert,
Charles Raymond Hudson,
Susan Lavelle,
Lucy Hazel Morgan,
Rose Blanche Ouimet,
Mary Winifred Rael,
Richard Philip Rielly,
Mary Clotilde Savage,
Charles Albert Smith,
Frederick Alexander Stahl,
Grace Hazel Treworgy,
Eileen Olivette Waters,
Lawrence Edward Walsh.

WEST STREET SCHOOL.

Eva Cecelia Connor,
Walter Maden Crowther,
Joseph Francis Duggan,
Mary Loretta Fitzgerald,
Barbara Alice Gibson,
Genevieve Marguerite Gibson,
Fanny Gifford,
Francis Thomas Keating,
Walter William Langevin,
Ruth Elizabeth Maher,
Anna Veronica Martin,
Edward Francis McDonnell,
Anna Mary McGurgan,
Ernest Montcalm,
Julia Mary Murphy,
Mary Estelle Leary,
Marguerite Quinn,
Terrence Alphonse Reilly,
George Albert Rideout,
Bessie Lillian Stebbins,
Edwin Lyman Stedman,
Ralph Elmer Sullivan,
Teresa Veronica Tucker,
Frederick John Wall.

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REPORT

OF THE

BOARD OF HEALTH

OF THE

CITY OF HOLYOKE,

FOR THE YEAR ENDING

NOVEMBER 30, 1902

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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REPORT OF THE
BOARD OF HEALTH.

To the Honorable the Mayor, and the Board of Aldermen.

GENTLEMEN:—In compliance with the Public Statutes, the Board of Health herewith respectfully submit for your consideration the twenty-second annual report.

The Board met for organization on the first Monday of February electing the following officers: Chairman, Dr. Arthur B. Wetherell; Secretary, Dr. Frank A. Woods; Health Officer, Mr. Jeremiah J. Linehan.

GENERAL WORK.

In the work of keeping the city in a clean and sanitary condition the Board have proceeded in the same systematic manner as during the past few years. The result of this work is making itself evident in the fact that during the past year a smaller number of dirty cellars and dirty tenements have been brought to our attention, and it is with less trouble that we secure an abatement of these nuisances and sources of filth. In this work the Board has been aided by a majority of the large property owners of the city, who have readily acceded to our requests to attend to their property in this respect.

The usual number of small nuisances and complaints, affecting only the immediate locality in which they exist, have been abated. There is still room for improvement in the matter of waste papers found in large quantities on our public streets. This may be remedied in part by a closer attention to the permission given for the distribution of hand bills, and would also be

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greatly improved if the City should provide receptacles for waste papers upon the streets, as is done in so many cities.

The removal of old buildings in various parts of the city has greatly improved the sanitary condition of the localities in which they existed and has increased the value of surrounding properties.

Twenty-six such buildings have been removed during the year.

The Board is pleased to state that at present there are less nuisances of this character in Holyoke than in most places.

The appended report of the Health Officer gives a detailed account of this work.

BACTERIOLOGY.

The Board have continued the system of bacteriological examinations in all cases of diphtheria and of throat trouble of a suspicious nature. Dr. H. C. Emerson of Springfield was again elected bacteriologist of the Board.

The Board would urge each physician to exercise due care and promptness in taking swabs for diagnosis and also in taking the two consecutive negative swabs for release as a caution against the spread of contagion.

This system has apparently succeeded very well during the period it has been in operation, and the Board feel that it is of the utmost importance that it be faithfully lived up to.

BAKERIES.

Such inspection of bakeries and their surroundings as is prescribed by law have been made. In a majority of cases these important places where so much of our food product is manufactured were found to be in a good general condition.

Twenty-six bakeries are at present in operation in the city. The Board still endeavors to use its influence against cellar bakeries, and would advise legislation against the establishment of the same.

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UNDERTAKERS.

The usual licenses have been granted undertakers to carry on this business, as required by law. Twelve licenses have been granted during this year. The undertakers are prompt in filing the certificates of death, and are careful in making their returns.

SLAUGHTER HOUSES.

All slaughter houses and manufacturers of sausage and prepared meat within the city have been granted licenses by this Board. Nine licenses have been granted for the manufacture of sausage and prepared meat, and two for slaughtering.

The supervision of these places of business has caused an improvement in the character of the articles furnished to the public for consumption.

BARBER SHOPS.

As a result of the many complaints concerning the sanitary condition of a number of the barber shops in the city, and the presence of more or less skin disease of a contagious nature, the Board have caused an inspection of these places of business and found that some supervision of them was demanded. Accordingly, rules to obtain a satisfactory sanitary condition of the shops and greater cleanliness in regard to the work done therein have been passed. All the proprietors have been notified of this act, and copies of the rules have been posted in all shops.

There are at present 87 barber shops in the city, in 35 of which it was found necessary to have material improvement made.

FRUIT AND VEGETABLES.

The Board can report an improvement in the quality of the fruit and vegetables that have been offered for sale in this city during the past year.

There have been no prosecutions for selling decayed fruit during the past twelve months.

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INSPECTOR OF MILK, VINEGAR AND PETROLEUM.

The duties of this office are still subdivided. The Board will recommend that all the dutiess of this office be placed under the supervision of the Board of Health, with a fixed salary for the Inspector, and a proviso that all fees of the department revert to the City Treasurer.

BARNS AND LIVERY STABLES.

Eleven applications have been received for the erection or use of buildings as barns or livery stables. These have received careful consideration. The locations have been inspected and permits have been granted in all cases.

PLUMBERS.

The Board of Plumbing Examiners have examined all applicants referred to them by this Board.

There have been four applications made to the Board for master plumber's licenses, one for employing and six for journeyman plumber's licenses.

Eight of the above applicants were granted licenses, and three refused.

The report of the Plumbing Examiners is appended.

SANITARY INSPECTION.

The Board can report that the work in this division of its department has been carried on in a thorough and satisfactory manner.

The report of the Inspector of Plumbing shows that there has been less new work done in the city during the past year than in the preceding twelve months; however, the addition of the unusual large amount of old work condemned and replaced, together with the required tests, has necessitated a large number of inspections.

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A house-to-house inspection of plumbing is an urgent necessity, and the Board would again recommend that a special appropriation be made and the work commenced early in the year.

Appended is the report of the Inspector of Plumbing.

VAULTS AND CESSPOOLS.

The Board has continued its endeavors to have all of the old vaults and cesspools removed wherever the sewer privileges would permit, and can now report that the city is practically clear of the same in all sections having sewers.

With comparatively little expense to the City, short sewers with laterals could be laid, which would allow the Board to abolish the majority of the remaining vaults.

SEWERS AND DRAINS.

The Walnut Street sewer is still a nuisance and source of filth, and its sewage should not be allowed to pass through the canals. The Board would urge that this nuisance be abated in the manner already suggested by the City Engineer.

The large amount of sewage discharged directly from the mills into the canals in its course through the city is objectionable from a sanitary point of view, and public health demands that some other disposal of this sewage should be made.

The Board would recommend that lateral sewers be laid on Main Street, north and south from Berkshire Street; and that some provision be made for the east side of North Summer Street.

The condition of drainage of the houses at Ingleside should receive serious consideration at once.

VITAL STATISTICS.

The Board is pleased to report a very material reduction in the number of deaths and also in the death-rate for the past twelve months.

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For the year ending November 30, 1902, there has been reported 766 deaths and 78 still-births, a death-rate of 15.93 per cent. per thousand inhabitants, while compared with 876 deaths and 52 still-births, a death-rate of 19.16 per cent. per thousand during 1901, shows a very satisfactory reduction of 110 deaths and 3.23 per cent. per thousand in the death-rate. This points to the fact that the past year has not only been considerably less fatal than 1901, but one of the most healthy in the records of this Board.

The appended "Table A" shows the comparative number of deaths, still-births and death-rates for the past ten years, 1893 to 1902 inclusive, the average number of deaths being 796, and the average death-rate 17.75 per cent.

"Table B" presents the number of deaths and still-births occurring each month during the year, showing that the mortality has been very even throughout the various months, being the greatest in July, when there were 83 deaths, and the smallest during April, when there were 45 deaths.

"Table C" shows that of the 766 deaths recorded during the year, 371, or 48.43 per cent., were males, and 395, or 51.57 per cent., were females; and of the 78 still-births, 48 were males and 30 were females.

"Table D" gives the deaths by sex and age, showing that of the total 766 deaths, 240, or 31.33 per cent., were under 1 year of age, 315, or 41.12 per cent., were under 5 years of age, and 211, or 27.54 per cent., had been over 50 years of age.

During the preceding year 31.50 per cent. were under 1 year of age, 43.90 per cent. were under 5 years of age, and 24.77 per cent. over 50 years of age, showing, by comparison, the deaths under one to be relatively the same, while there is a slight decrease in the per cent. under five years of age and slight increase in those over 50 years of age during the present year.

"Table E" presents the exact cause of each death occurring in the city during the year. It shows 41 deaths from contagious diseases, as compared with 55 during the preceding year; 88 deaths from Tuberculosis, as compared with 93 during 1901. In

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the nervous diseases there is a decrease in Meningitis and Cerebral Inflammation, and an increase in apoplectic diseases noted. We find an increase proportionately in the acute diseases of the Kidneys, while in the deaths from disease of the Digestive and Circulatory systems, there is little or no change. In the Respiratory tract we find a marked decrease in deaths from Pneumonia and Bronchitis.

"Table F," giving the number of deaths in the various institutions in the city and in each ward, with the death-rate per thousand population in each, will be of interest as showing the portion of the city in which the largest and smallest amount of sickness has existed. We find again, as during the preceding year, that in Wards Two and Four, where are our most crowded tenement districts, the number of deaths and the death-rate are the highest, while Ward Five has had the smallest number of deaths.

Twenty and sixty-two one hundredths per cent. of the total deaths occurred in the institutions.

In "Table G" will be seen the nativity of those dying in the city during 1902. Of the 766 deaths, 312, or 40.73 per cent., were born in Holyoke; 467, or 60.96 per cent., in the United States; 134, or 17.49 per cent., in Ireland; 89, or 11.61 per cent., in Canada; 17, or 2.21 per cent., in Germany; 15, or 1.95 per cent., in Scotland; 14, or 1.82 per cent., in England, and the remainder in various other foreign countries.

"Table H" shows the place of interment of all bodies buried in the city and the number of bodies sent away for burial. It also shows that during the year 70 bodies were brought to Holyoke for burial, and that there have been 494 local burials. Nine hundred and fourteen burial permits have been issued from the office during the year.

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Table A.

Showing the comparative number of deaths, still-births and death rates for the past ten years.

	Deaths.	Still-Births.	Total.	Death Rate.
1893,	759	52	811	21.29
1894,	742	43	785	20.82
1895,	766	57	823	18.99
1896,	761	58	819	18.87
1897,	842	60	902	19.06
1898,	778	55	833	17.59
1899,	701	63	764	15.58
1900,	971	82	1,053	21.24
1901,	876	52	928	19.16
1902,	766	78	844	15.93
Average death rate for ten years,				17.75

Table B.

Showing deaths and still-births during 1902.

	Deaths.	Still-Births.	Total.
December,	59	6	65
January,	65	7	72
February,	62	9	71
March,	69	8	77
April,	45	7	52
May,	58	5	63
June,	53	6	59
July,	83	5	88
August,	66	4	70
September,	63	7	70
October,	73	6	79
November,	70	8	78
Total,	766	78	844

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Table C.

Showing sex of deaths and still-births during 1902.

	Deaths.		Still-Births.		Total.
	Male.	Female.	Male.	Female.	
December,	32	27	5	1	65
January,	25	40	3	4	72
February,	30	32	4	5	71
March,	36	33	5	3	77
April,	22	23	5	2	52
May,	27	31	5	. .	63
June,	31	22	3	3	59
July,	39	44	1	4	88
August,	27	39	2	2	70
September,	34	29	6	1	70
October,	40	33	4	2	79
November,	28	42	5	3	78
Total,	371	395	48	30	844

Table D.

Showing deaths by sex and age.

	Male.	Female.	Total.
Under one year,	126	114	240
From one to two,	20	21	41
" two to three,	9	8	17
" three to four,	5	4	9
" four to five,	1	7	8
" five to ten,	14	11	25
" ten to fifteen,	3	2	5
" fifteen to twenty,	12	11	23
" twenty to thirty,	26	34	60
" thirty to forty,	34	40	74
" forty to fifty,	23	30	53
" fifty to sixty,	34	32	66
" sixty to seventy,	32	40	72

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	Male.	Female.	Total.
From seventy to eighty, .	23	27	50
Over eighty, . . .	9	14	23
Unknown, ...	. .	. .	. .
Total, ...	371	395	766

Table E.

Showing cause of each death occurring during the year 1902.

Measles, . . .	4	Tuber. of peritoneum, .	1
Diphtheria, . . .	22	" " hip joint, .	1
Memb. croup, . .	2	" not stated, .	5
Scarlet fever, . .	3	Cancer of tongue, .	2
Typhoid fever, . .	10	" " messentary, .	1
Cerebro sp. fever, .	2	" " breast, . .	2
Septicæmia, . .	5	" " stomach, .	5
Rheumatism, . .	4	" " liver, . .	6
Anaemia, . . .	5	" " intestines, .	5
Phthisis Pulmonalis, .	67	" " uterus, . .	2
Tuber. of messentary, .	1	" not stated, .	1
" " meninges, .	6	Fibro-Sarcoma, . .	1
" " larynx, .	6	Sarcoma, not stated, .	1
" " intestines, .	1	Rodent ulcer of face, .	1
Total, ...			172

NERVOUS DISEASES.

Encephalitis, . . .	1	Paralysis agitans, . .	1
Cerebral congestion, .	11	Neurasthenia, . . .	3
" softening, . .	2	Insanity, ...	2
" tumor, . .	1	Alcoholism, . . .	3
Meningitis, . . .	28	Infantile convulsions, .	6
Apoplexia, ...	24	Post diphtheretic paralysis,	2
Selerosis of spine, . .	1	Paresis, ...	1

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Hydrocephalus,	1	Paralysis (not stated),	4
Epilepsy,	2	Trismus,	1
Multiple neuritis,	1		—
Total,			95

URINARY DISEASES.

Nephritis,	17	Uræmia,	9
Bright's disease,	13	Polypoid of bladder,	1
Diabetes mellites,	8		—
Total,			48

DIGESTIVE DISEASES.

Gastritis,	8	Acute indigestion,	10
Gastro-enteritis,	12	Cyst of spleen,	1
Enteritis,	17	General ansarca,	1
Entero-colitis,	3	Dysentery,	7
Ileo-colitis,	2	Cholera infantum,	57
Appendicitis,	2	Cholera morbus,	1
Peritonitis,	4	Strangulated hernia,	2
Obstruction of intestines,	3	Hepatitis,	7
Intussusception of Intestines,	2	Atrophy of liver,	1
Ulceration of Intestines,	1	Cirrhosis of liver,	4
Ulceration of Stomach,	2	Malignant Jaundice,	1
Inanition,	3	Icterus Neonatorum,	2
Malnutrition,	6	Over feeding,	1
Marasmus,	20		—
Total,			180

CIRCULATORY DISEASES.

Endocarditis,	9	Faulty infantile circulation,	1
Angina Pectoris,	4	Phlebitis,	2
Arterial sclerosis,	2	Arterial artheroma,	2
Fatty degen. of heart,	2	Leucaemia,	1

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Valvular dis. of heart	4	Aortic stenosis,	1
Hypertrophy of heart,	3	Myo-carditis,	1
Dilation of heart,	2	Purpura haemorrhagica,	1
Heart disease, not stated,	16	Cardiac embolism,	1
Total,			52

RESPIRATORY DISEASES.

Asthma,	1	Pneumonia,	60
Spasmodic croup,	1	Amygdalitis,	1
Bronchitis,	19	Pleurisy,	2
Congestion of lungs,	2	Oedema of larynx,	1
Abscess of lungs,	1	Empyema,	1
Oedema of lungs,	2	Influenza,	12
Total,			103

GENERATIVE DISEASES.

Puerperal Eclampsia,	1	Parturition,	2
Total,			3

VIOLENT CAUSES.

Suicide by Carbolic Acid,	1	Fracture of skull,	2
Suicide by illuminating gas,	1	Burns or scalds,	7
Suicide by shooting,	1	Cut in two by band saw,	1
Suicide by drowning,	2	Pelvic abscess,	1
Accidental drowning,	5	Traumatism by forceps,	1
Struck by train,	7	Choked in vomiting,	1
Struck by electric car,	2		
Total,			32

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UNCLASSIFIED.

Asthenia senile,	20	Gangrene of leg,	1
Asthenia infantile,	35	Exoph. Goitre,	1
Premature birth,	16	Unknown,	1
Congenital,	7		
Total,			81

TABLE F.

Showing the death and death rate, per 1,000 inhabitants, in each ward in the city, and in the various institutions.

	Deaths.	Death Rate.
Ward One,	85	11.63
" Two,	144	14.33
" Three,	81	12.15
" Four,	128	17.11
" Five,	35	7.73
" Six,	64	9.78
" Seven,	71	12.88
Total,	608	

Almshouse,	21	House of Prov. Hospital,	47
Brightside,	51	Harkins Home,	13
City Hospital,	24	Mt. St. Vincent,	2
Total deaths in institutions,			158
20.62 per cent of total deaths.			
Non residents,			30

TABLE G.

Showing the nativity of those dying in the city during the year 1902.

Holyoke,	312	France,	2
Massachusetts otherwise,	89	New Brunswick,	1

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Other States,	66	Russia,	2
Total in United States,	467	Denmark,	1
Ireland,	134	Italy,	1
Germany,	17	Cuba,	1
Canada,	89	Sweden,	1
England,	14	Prussia,	1
Scotland,	15	Australia,	1
Austria,	9	Turkey,	1
Poland,	4	Unknown,	5
Total,			766

Table H.

Showing the place of interment of those dying in the city and those brought here for burial during 1902. (Still-births included.)

Calvary,	128	Elmwood,	22
Forestdale,	180	St. Jerome,	229
West Holyoke,	2	Brightside,	3
South Hadley Falls,	269	Out of town (otherwise)	91
Total,			914

Local burials,	494
Brought to Holyoke for burial,	70
Sent from Holyoke for burial,	350
Total burial permits issued,	914

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CONTAGIOUS DISEASES.

During the year ending November 30, 1902, Holyoke has again been visited by what promised to be the largest epidemic of small pox in the history of the city. Starting as it did in one of the most crowded tenement districts, and in addition having been hidden from the authorities for a sufficient time to allow its development, it seems impossible that it could be controled with less than several hundred cases and the exposure of a large number of people.

Energetic work by the members of the Board and its officials, aided by the willingness with which the people in general submitted to the work of general vaccination, served to control the outbreak to thirty-nine cases, nearly all being confined to the two localities in which it was first discovered.

In all of the other contagious diseases, with the exception of typhoid fever, there has been a material decrease from 1901. The number of cases are as follows:

	Diphtheria.	Measles.	Scarlet Fever.	Typhoid Fever.	Small Pox.	Memb. Croup.	Total.
1901, . .	272	129	98	23	2	10	534
1902, . .	131	42	44	36	39	6	298

DIPHTHERIA.

There has been reported during the year one hundred and thirty-one (131) cases of diphtheria in comparison to two hundred and seventy-two (272) reported during 1901, a reduction of over 50 per cent in the number of cases. There have been 22 deaths from this disease, a death rate of 16.79 per cent. The larger number of these cases have been in wards two and three, especially the former. It has existed in all of the wards, Ward Four however having but one case.

The disease has made its appearance to some extent every month throughout the year, being most prevalent in December, January and June.

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MEASLES.

The number of cases of measles has decreased over two-thirds of those reported during 1901, there having been only 42 cases, as compared with 129 cases last year. There have been four deaths from this disease during the year, a death-rate of 9.52 per cent. The disease has existed throughout the year, and, with the exception of Ward Two, has been in every ward, Wards Three and Four, however, having most of the cases.

SCARLET FEVER.

There have been 44 cases of scarlet fever during the year, as compared with 98 cases reported during 1901. Three of these cases have proven fatal, a death-rate of 6.81 per cent. This disease has also been present throughout the year, and has been located in all parts of the city, Ward Two suffering the most from it.

TYPHOID FEVER.

Typhoid fever has been a little more prevalent than during the previous year. There have been reported 36 cases with 10 deaths, a death-rate of 27.77 per cent., or about one death from this disease to every 5,000 inhabitants. This disease has also been general, not limited to any locality of the city, and existed chiefly during the first three months of the year.

SMALL POX.

Small pox appeared in our city on January 16, 1902, at 10 Spring Street. The case was quickly removed to the Pest House, a quarantine established at the block, and all of the residents vaccinated. No new cases appeared from this source.

On February 5 a mild case was discovered at 6 Potvin Avenue, where the same system was established.

On February 28 a case was reported at 92 Lyman Street, and upon investigation it was found that the patient had just moved to that number from 101 Lyman Street, at which place were found eight cases in various stages of the disease. During the

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next few days six more persons came down with the disease at this place, and at various times from then until April 14th cases appeared at various places in the neighborhood, all being traced to this source of infection.

In all 39 cases of this dreaded disease were reported to the Board. While a general vaccination was not ordered it was requested that all corporations have their employees vaccinated and all schools were inspected and unvaccinated children vaccinated. In addition to this a strict quarantine was observed in all blocks where this disease had occurred. The large majority of the cases were of a mild character and it is with pleasure that we report that there were no fatalities during the epidemic.

The total expense of this epidemic was $12,851.19. This expense including not only all of the bills for the cases of small pox themselves but also those of the quarantine, including food and fuel for all those who were quarantined by order of the Board, which number varied from sixty to over seven hundred at different times. It also includes all bills for policing the quarantined districts, all physicians' bills for care of cases and also for services in vaccinating school children, all of the expenses of the pest house and also bills for clothing, etc., for patients on their release from the quarantine.

This presents a cost per capita, for the 39 cases, of $329.51, which is considered by the authorities as below the average expense per case.

CONTAGIOUS DISEASE HOSPITAL.

The Board would once again call attention to the imperative need of a hospital for the care of diseases of a contagious nature, especially diphtheria and scarlet fever. The value of such institutions is being realized more and more each year and many of the cities of the state now have such accommodations which greatly aid in the control of epidemics of such diseases. With our large tenement districts, it is evident that we should have such a building at our command in this city.

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PEST HOUSE.

The pest house at present in use by the city is well suited in most ways and furnishes a very satisfactory as well as secluded place of confinement for persons suffering with small pox. Improvements should however be made in the building in the sanitary arrangements. A sanitary system should be arranged to remove the sewage from the building and a satisfactory receptacle made for the same. A small addition should also be added, to include a disinfecting room for those who are obliged to visit the building, and also a bath room for the use of the patients.

These are indispensable necessities and should receive immediate attention.

TABLE L.

Showing the contagious diseases as reported by months.

	Diphtheria.	Measles.	Scarlet Fever.	Typhoid Fever.	Small Pox.	Memb. Croup.	Total.
December,	25	12	8	8	. .	1	54
January,	20	4	6	13	1	. .	44
February,	6	6	2	6	2	2	24
March,	6	1	3	. .	34	1	45
April,	12	1	1	. .	2	. .	16
May,	14	1	7	1	. .	1	24
June,	19	1	2	. .	. .	1	23
July,	4	3	4	1	. .	. .	12
August,	12	1	. .	. .	. .	. .	13
September,	6	11	1	. .	. .	. .	18
October,	2	. .	5	5	. .	. .	12
November,	5	1	5	2	. .	. .	13
Total,	131	42	44	36	39	6	298

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Table M.

Showing the contagious diseases by wards, as reported during the past year.

	Wards							Total.
	1	2	3	4	5	6	7	
Diphtheria,	7	55	23	1	8	18	19	131
Scarlet Fever,	2	12	6	3	6	7	8	44
Measles,	2	. .	16	11	1	7	5	42
Memb. Croup,	. .	3	. .	. .	1	. .	2	6
Small Pox,	21	13	3	1	1	. .	. .	39
Typhoid Fever,	5	4	3	7	8	7	2	36
Total,	37	87	51	23	25	39	36	298

Table N.

Showing number of deaths from contagious diseases during 1902.

	Diphtheria.	Scarlet Fever.	Measles.	Typhoid Fever.	Small Pox.	Memb. Croup.	Total.
December,	1	1	. .	2	. .	. .	4
January,	4	1	. .	1	. .	. .	6
February,	2	. .	2	2	. .	1	7
March,	1	. .	. .	1	. .	1	3
April,	. .	. .	. .	. .	. .	. .	. .
May,	4	. .	. .	. .	. .	. .	4
June,	7	. .	. .	1	. .	. .	8
July,	1	. .	1	. .	. .	. .	2
August,	1	. .	. .	1	. .	. .	2
September,	1	. .	. .	1	. .	. .	2
October,	. .	. .	1	1	. .	. .	2
November,	. .	1	. .	. .	. .	. .	1
Total,	22	3	4	10	. .	2	41

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FINANCIAL STATEMENT.

The following is the financial statement of the Board for the year ending November 30, 1902.

Appropriation,	$5,500.00
Transfer from contingent,	12,851.19
Receipts,	49.52
Total,	$18,400.71

EXPENDITURES.

Regular monthly bills,	$1,823.12
Regular pay roll,	3,002.20
Milk department bills,	721.08
Bills for Small Pox,	8,505.19
Pay roll for Small Pox,	4,346.00
Balance unexpended,	3.12
Total,	$18,400.71

Respectfully submitted,
A. B. WETHERELL, M. D., Chairman,
FRANK A. WOODS, M. D., Secretary,
J. J. LINEHAN, Health Officer,
Board of Health.

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REPORT OF THE
HEALTH OFFICER.

To the Board of Health.

GENTLEMEN:—I hereby submit a report of your Health Officer for the past year. During the year much time has been devoted to the disinfection of houses where cases of contagious disease have occurred. This work was increased owing to the large number of Small Pox cases in the early part of the year. In this line of work twelve hundred and eight rooms have been disinfected with Formaldehyde gas, and a large amount of bedding has been destroyed.

I am happy to report a smaller number of minor nuisances, such as dirty cellars and tenements, in which work I was greatly aided by the large property owners, also a general improvement in all the fruit products sold by peddlers and in stores in this city.

I wish to congratulate the Board on the large number of old buildings removed during the year, the number being twenty-six.

Other duties performed by your officer are sufficiently set forth in the accompanying tables. Several verbal and minor complaints have been attended to which were not of sufficient importance to be entered upon the records.

NOTICES SERVED AND PRODUCTS DESTROYED.

Grapes destroyed (baskets),	962
Dead animals removed,	18
Decayed melons destroyed,	41
Decayed bananas destroyed (bunches),	18
Decayed berries destroyed (quarts),	28

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Decayed meat destroyed (pounds),	5,800
Swill cans ordered,	4
Dirty yards ordered cleaned,	18
Dirty cellars ordered cleaned,	12
Ash chutes ordered cleaned,	7
Stables ordered cleaned,	14
Dirty markets ordered cleaned,	5
Dirty fish carts ordered cleaned,	1
Dirty tenements ordered cleaned,	24
Vacant houses ordered cleaned,	6
Workshops ordered cleaned,	1
Manure piles ordered removed,	44
Rooms fumigated,	1,208
Contagious disease cards posted,	262
Dirty mattresses destroyed,	48
Meat, decayed, in alley, ordered removed,	1
Hens in cellar ordered removed,	18
Pigeons in cellar and buildings ordered removed,	8
Water in cellar ordered removed,	12
Pigs in cellar ordered removed,	4
Throwing dirty water in street ordered stopped,	21
Barns closed,	13
Premises ordered vacated,	19
Buildings closed and condemned,	28
Buildings removed,	26
Rags in tenements ordered removed,	1
Rags in cellars ordered removed,	4
Dirty chicken coops ordered cleaned,	6
Garbage in cellars ordered removed,	2
Manure water in street ordered removed,	10
Dirty milk carts ordered cleaned,	2
Night soil in street ordered removed,	2
Legal notices served,	10
Fish refuse ordered removed,	4
Filthy stores ordered cleaned,	4
Cellars damp, ordered repaired,	14

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House offal on land ordered removed,	4
Offensive odors in buildings,	11
Untidy premises,	9
Rubbish in cellars ordered removed,	6
Houses and yards inspected,	72
Swill nuisances,	120
Houses without water ordered supplied,	32
Stagnant water nuisance,	2
Selling condemned ice,	1
Minor nuisances abated,	348

The condition of tenement property still continues to improve and will now compare favorably with that of any city of this size.

In conclusion I wish to return thanks to his Honor the Mayor, my assistant Mr. John S. O'Neill, Marshal Wright and the Police Department, to the members of the Board, and all other city officials for their courtesy and co-operation, which has been of great assistance to me in my work.

Respectfully submitted,

J. J. LINEHAN,

Health Officer.

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REPORT OF THE
Inspector of Plumbing.

To the Board of Health.

GENTLEMEN:—As Inspector of Plumbing I have the honor of submitting the ninth annual report for the fiscal year ending November 30, 1902.

The following table will show to some extent the nature of the work.

Water closets put in new buildings,	144
Sinks " " " "	127
Baths " " " "	99
Bowls " " " "	85
Wash trays " " " "	74
Urinals, " " " "	23
Traps " " " "	483
Water closets put in old buildings,	252
Sinks " " " "	85
Baths " " " "	84
Bowls " " " "	75
Wash trays " " " "	7
Urinals " " " "	12
Traps " " " "	518
Number of permits granted,	259
Water tests made,	197
Inspection of houses for defective plumbing,	519
Inspections made of old and new plumbing,	1137
Legal notices served to abate nuisances,	18

Each case has complied with the requirements of the Board. In addition to the inspection of old and new plumbing, a great many examinations and peppermint tests have been made at the

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request of owners, agents and tenants and in most cases defective plumbing has been repaired on verbal notification from the inspector without any action by the Board, and of which no records have been made.

Your Inspector would call your attention to the fact that while there has been a comparatively small amount of new work for the preceding year, a large number of houses with defective plumbing have been condemned and repaired to conform to the ordinance. This has necessitated a large number of inspections.

A house to house inspection is an urgent necessity and the work should be commenced immediately.

In conclusion I desire to thank the members of the Board for their courtesy and co-operation.

Respectfully submitted,

F. L. AVERY,
Inspector of Plumbing.

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REPORT OF THE

BOARD OF

Plumbing Examiners.

To the Board of Health.

GENTLEMEN:—The report of the Board of Plumbing Examiners for the fiscal year ending November 30, 1902, is hereby respectfully submitted.

Number of applications for Master Plumbers' examinations,	4
Number of applications for Employing Plumbers' examinations,	1
Number of applications for Journeyman Plumbers' examinations,	6
Number of applicants recommended to the Board of Health as qualified to receive a Master Plumbers' license,	3
Number of applicants recommended to the Board of Health as not qualified to receive a Master Plumbers' license,	1
Number of applicants recommended to the Board of Health as qualified to receive an Employing Plumbers' license,	1
Number of applicants recommended to the Board of Health as qualified to receive a Journeyman Plumbers' license,	4
Number of applicants recommended to the Board of Health as not qualified to receive a Journeyman Plumbers' license,	2

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Owing to the numerous failures of applicants appearing at specified time to take the examinations, the Board requires a deposit of two dollars ($2.00) at the time the application is filed. Said two dollars ($2.00) is returned to the applicant if the examination is taken, and forfeited to the examining officer if the applicant fails to appear.

On January 3, 1902, the Inspector of Plumbing was elected secretary of the Board.

Respectfully submitted,

A. B. WETHERELL, M. D.
JAMES L. TIGHE, City Engineer.
MARTIN BOWE, Practical Plumber.

Attest. F. L. AVERY, Secretary.

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REPORT OF THE
BACTERIOLOGIST.

To the Board of Health.

GENTLEMEN: — I have the honor to submit the following report for the year ending December 1, 1902.

No change has been made in the manner of conducting the work of the bacteriologist for the past year, a messenger from the laboratory going to Holyoke for the swabs in the afternoon and the reports being made by telephone about 9 o'clock in the morning. In a number of instances it has been possible to make an absolute diagnosis of a case as soon as the swab reached the laboratory, and in such cases the physician has been notified at once of the presence of diphtheria germs in the case from which the swab was taken.

Diphtheria has not been prevalent during the past year, but there have been referred to me for examination 217 cases, a marked diminution in number from the number received during 1900 and 1901; 193 of these cases were examined at the onset of the illness, and diphtheria germs were found in 107 cases, while in the remaining 86 cases no diphtheria organisms were found; 24 cases were examined at the time of release only and in eleven of these no diphtheria germs were found at any time.

By reference to the table below, it will be noted that in five months out of the twelve, and in months where there was but little diphtheria in the city, the number of cases that showed no diphtheria germs exceeded the number in which diphtheria was found. This fact is significant, showing as it does the care that the physicians take in determining the character of sore throats, using this method of diagnosis at a time when diphtheria was not prevalent in the city. The belief is becoming more and more pronounced that much of our diphtheria is spread by mild and

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unrecognized cases of the disease, and it is an encouraging fact to Health officials that the physicians generally recognize this, and are careful to determine by the culture method the character of the infection of all doubtful cases of "sore throat."

Below will be found tables giving summaries of the cultures examined during the year.

CASES EXAMINED 1902.

	For Diagnosis.		For Release.		Total.
	Positive.	Negative.	Positive.	Negative.	
December,	24	14	4	2	44
January,	16	14	2	1	33
February,	4	6	. .	1	11
March,	4	5	. .	. .	9
April,	12	8	. .	. .	20
May,	4	10	. .	. .	14
June,	20	9	4	8	41
July,	3	3	. .	1	7
August,	10	4	. .	. .	14
September,	6	1	. .	. .	7
October,	2	4	. .	. .	6
November,	2	8	. .	1	11
Total,	107	86	10	14	217

Total cases submitted for examination, . . 217
Total cultures examined from above cases, Positive, . 214
Total cultures examined from above cases, Negative, . 208

Total cultures, ... 422

All of which is respectfully submitted,

HERBERT C. EMERSON, M. D.
Bacteriologist.

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REPORT

OF THE

CITY TREASURER

OF THE

CITY OF HOLYOKE,

FOR THE YEAR 1902.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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REPORT OF
CITY ENGINEER.

To the Honorable the Mayor and Board of Aldermen of the City of Holyoke, Massachusetts.

GENTLEMEN:—I have the honor to submit to you the twenty-ninth annual report of the City Engineering department. The receipts and expenditures for the year are as follows:

RECEIPTS.

By appropriation,	$4,200.00	
By appropriation from salaries,	2,500.00	
By typewriter,	18.75	
		$6,718.75

EXPENDITURES.

Salary of City Engineer,	$2,500.00	
Salaries of assistants,	3,850.00	
Typewriter and desk,	94.75	
Office supplies,	126.13	
Level-rod and tape,	19.00	
Repairs on instruments,	7.03	
Printing and binding,	21.75	
Sewer record book,	11.75	
Engineering periodicals,	5.00	
Car fare and horse hire,	31.25	
Telephone,	6.25	
Towel supply, etc.,	16.25	
Sundries,	29.45	
Balance unexpended,	.14	
		$6,718.75

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HIGHWAYS.

There has been more work done of a permanent character in the highway department during the year than perhaps in any single year within the history of the city.

The granite block pavement on Dwight street, between Race and Front streets, has been removed and replaced by vitrified brick laid on a concrete base. A portion of the blocks removed has been laid on Lyman street on a gravel base between High and Front streets, where Lyman street has a 7 per cent grade.

Vitrified brick has been laid on Lyman street from the end of the brick pavement laid in 1898 to Center street. It has also been laid on that portion of Cabot street which was left unfinished last year, viz.: That portion of the street north of the street railway tracks between the first and second level canals.

Bituminous macadam has been laid on Dwight street from Elm street to School street, and on Maple street from Dwight street to Suffolk street.

Of the many kinds of modern pavements now being laid in cities, there are none, so far as we know, which approach nearer to the ideal pavement than bituminous macadam. This pavement is comparatively noiseless, non-slippery in all kinds of weather, easily kept clean, satisfactory to ride over and sanitary. Besides, its advocates claim for it that it can be laid on the steeper grades with good results where other modern pavements would prove a failure. Dwight street, between Linden and School streets, where this pavement has been laid has a 5½ per cent grade. Here the pavement, so far, holds up and wears the same as that laid upon the more level grades. Neither have there been any complaints about its slipperiness or of horses falling thereon in wet weather. However, there are other qualities which all desirable pavements should have and which bituminous macadam may or may not have. Of these wear or durability is the most important, which, if any pavement possesses, practical experience alone covering a series of years can be the only proof. When this experience is acquired with bituminous macadam, if not found wanting, it can safely be said that

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a most desirable pavement has been introduced, which on account of its comparative cheapness will be within the reach of small villages as well as large municipalities.

Common macadam has been laid on Lyman street from Maple street to Pine street, while portions of several other streets have been re-surfaced with it.

This road metal, although of a less permanent nature than the pavements mentioned above, is far superior to gravel and should in future be used entirely instead of the latter. To make this possible a stone-crushing plant, as suggested by the Board of Public Works, should be installed at a convenient point alongside the street railroad tracks, now being built from Cherry street to Hampden ponds, on the land of the city where trap rock is in abundance and requires no quarrying.

The right given to street railroads by the legislature of last year, to carry road metal for town and cities, can be exercised here. Consequently with a favorable price paid to the Street Railroad Co. for haulage, the installation of a stone-crushing plant, located as above mentioned, cannot prove otherwise but beneficial to the city.

The following is a tabulated statement of the amounts and cost of the several kinds of pavements laid during the year.

Kind of Pavement	Location	No. of Sq. Yds.	Cost per Sq. Yd.
Vitrified Brick,	Dwight street between Race and Front streets,	3,454	$1.95
" "	Lyman street between Bowers and Center streets,	2,047	1.95
" "	Cabot street between first and second level canals,	770	1.83
Granite Block,	*Lyman street between Front and High streets,	2,042	.63
Bituminous Macadam,	Dwight street between School and Elm streets,	9,140	1.70
" "	Maple street between Dwight and Suffolk streets,	1,747	1.70
Macadam,	Lyman street between Maple and Pine streets,	4,332	.56
	Total,	23,532	

* This price per square yard does not include the granite blocks which were taken from Dwight street.

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Of the many streets subject to heavy traffic there are none which have received less attention in the past than Race street, from Dwight street southerly. The surface of this street, judging from the numerous ruts or cradle holes which reappear, notwithstanding constant repair, has been considerably worn. Hence it is recommended that the gravelly material of which this street is made be wholly removed and be replaced by a road material of greater durability, especially that portion of the street from Dwight street to Appleton street.

The taking up and relaying of the asphalt blocks on High street from Cabot street to Appleton street during the year should be continued as far as Hampden street the coming year, as also should the bituminous macadam laid on Maple street be extended to Cabot street.

Another street which deserves attention and should have a permanent roadway is Appleton street from the end of the brick pavement at Beech street to Dwight street.

STREETS ACCEPTED IN 1902.

Below is a list of the streets accepted by the city during the year with lengths, widths and established grades, also those accepted in previous years as far back as 1896.

Name of Street.	From	To	Length	Width in ft.
Summer	Jackson	Canal	420.00	50.00
Waldo	Allyn	Lincoln	416.00	50.00
Worcester pl.	Commercial	Alley east of High	238.0	48.00

The established grades of the above-named streets are as follows:

Name of Street.	Intersection with	Grade.
Summer	Jackson	73.00
Summer	Canal	71.00
Waldo	Allyn	259.50
Waldo	Lincoln	263.75
Worcester place	Commercial	120.00
Worcester place	Alley rear of High and Commercial	130.00

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STREETS ACCEPTED IN 1901.

Name of Street.	From	To	Length in ft.	Width in ft.
Cherry	Northampton st.	Hillside avenue	800.00	60.00
Pleasant	Highland ave.	415 ft. northerly	415.00	50.00
Jackson	Main street	400 ft. W. of 2nd level canal	820.00	60.0
Lawler	Northampton st.	Martin street	945.00	44-4
Sargeant	15 ft. W. of 1st level canal	15 ft. E. of 1st level canal	100.00	60.00

The established grades of the above-named streets are as follows:

Name of Street.	Intersection with	Grade.
Cherry	Northampton street	260.00
Cherry	A point 500 ft. W. from center of Northampton street	262.00
Cherry	Hillside avenue	268.00
Pleasant	Highland avenue	257.75
Pleasant	A point 415 ft. northerly from center of Highland avenue	268.00
Jackson	Main street	77.00
Jackson	East line of Race street	83.50
Jackson	Race street	83.50
Jackson	East line of 2nd level canal	85.25
Jackson	A point 400 ft. W. from W. line 2nd level canal	95.50
Lawler	Northampton street	257.56
Lawler	Martin street	264.50
Sargeant	A point 15 ft. W. of W. line of 1st level canal	102.90
Sargeant	The west line of 1st level canal	103.00
Sargeant	The east line of 1st level canal	103.00
Sargeant	A point 15 ft. E. of E. line of 1st level canal	102.75

STREETS ACCEPTED IN 1900.

Name of Street.	From	To	Length in ft.	Width. in ft.
Jackson	Maple st.	Pine st.	1,450.00	60.00
Allyn	Nonotuck st.	Northampton st.	1,802.00	50.00
Ross ave.	Maple st.	Elm st.	650.00	60.00
Howard st.	Hampden st.	Lincoln st.	880.00	40.00
Congress ave.	Elm st.	Chapin st.	700.00	49.50
Arlington st.	Lincoln st.	Allyn st.	417.00	50.00

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The established grades of the previous named streets are as follows:

Name of Street.	Intersection with	Grade.
Jackson	Maple street	165.00
Jackson	Chestnut street	183.00
Jackson	Elm street	190.00
Jackson	Walnut street	186.00
Jackson	A point 1,329 ft. westerly from the center of Maple street	182.00
Jackson	Franklin street	187.00
Allyn	Nonotuck street	260.00
Allyn	Waldo street	259.50
Allyn	Williams street	261.00
Allyn	Howard street	262.50
Allyn	Arlington avenue	260.00
Allyn	Northampton street	266.24
Ross ave.	Maple street	172.38
Ross ave.	Elm street	214.00
Howard	Hampden street	265.00
Howard	Allyn street	262.50
Howard	Lincoln street	265.00
Congress ave.	Elm street	244.70
Congress ave.	A point 300 ft. westerly from center of Elm street	256.50
Congress ave.	A point 400 ft. westerly from center of Elm street	257.00
Congress ave.	Chapin street	253.50
Arlington ave.	Lincoln street	265.94
Arlington ave.	A point 200 ft. southerly from center of Lincoln street	261.83
Arlington ave.	Allyn street	260.00

STREETS ACCEPTED IN 1898.

Name of Street.	From	To	Length in ft.	Width in ft.
Arlington	Hampden st.	Allyn st.	429.00	50.00
Beech	Hampden st.	Dwight st.	500.00	60.00
Bowers	Mosher line	Pequot st.	439.00	50.00
Chestnut	Bowers and Sargeant st.	Franklin st.	500.00	50.00
Cook	Myrtle ave.	Washington ave.	285.00	55.00

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Name of Street.	From	To	Length in ft.	Width in ft.
Essex	Locust st.	Poplar st.	590.00	60.00
Franklin	Commercial st.	Chestnut st.	945.00	60.00
Hampshire	Oak st.	Linden st.	296.00	60.00
Locust	Essex st.	Cabot st.	500.00	60.00
Myrtle ave.	Northampton st.	Harrison ave.	879.00	55.00
Olive ave.	Dwight st.	Beacon ave.	383.00	50.00
Pequot	Bowers st.	A point 200 feet east of West st.	555.00	50.00
Samosett	Bowers st.	Center st.	644.00	50.00
Sycamore	Appleton st.	Cabot st.	1,000.00	60.00
Williams	Lincoln st.	Allyn st.	418.00	50.00
Olive ave.	Dwight st.	Beacon ave.	383.00	50.00

The established grades of the above named streets are as follows:

Name of Street.	Intersection with	Grade.
Arlington	Hampden street	262.50
Arlington	Allyn street	259.00
Beech	Dwight street	154.00
Beech	Hampden street	151.00
Bowers	Bowers and Mosher line	134.00
Bowers	Samosett street	131.00
Bowers	Pequot street	124.00
Chestnut	Sargeant street	176.50
Chestnut	Franklin street	186.00
Cook	Myrtle avenue	250.50
Cook	Washington avenue	251.25
Essex	Locust street	242.00
Essex	Sycamore street	250.00
Essex	Poplar street	254.00
Franklin	Commercial street	117.50
Franklin	The westerly line of Commercial street	118.50
Franklin	The easterly line of High street	146.50
Franklin	High street	147.00
Franklin	Maple street	160.00
Franklin	Chestnut street	186.00
Hampshire	Oak street	235.00
Hampshire	Linden street	246.00
Locust	Cabot street	256.00
Locust	Essex street	242.00
Myrtle ave.	Northampton street	256.50

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Name of Street.	Intersection with	Grade.
Myrtle ave.	Cook street	250.50
Myrtle ave.	A point 750 feet easterly from center of Northampton street	250.50
Myrtle ave.	A point 850 feet easterly from center of Northampton street	254.00
Myrtle ave.	Harrison avenue	254.00
Olive ave.	Dwight street	252.00
Olive ave.	A point 200 feet N. of the center of Dwight st.	250 00
Olive ave.	Beacon avenue	256.15
Pequot	Bowers street	124.00
Pequot	West street	112.00
Pequot	A point 200 feet east of West street	98.40
Samosett	Bowers street	131.00
Samosett	West street	116.00
Samosett	Center street	94.00
Sycamore	Appleton street	216.00
Sycamore	Essex street	250.00
Sycamore	Cabot street	258.00
Williams	Lincoln street	264.37
Williams	Allyn street	261.00

STREETS ACCEPTED IN 1897.

Name of Street.	From	To	Length in ft.	Width in ft.
Charles	Washington ave.	Laurel st.	265.00	50.00
Franklin	Linden st.	St. Jerome ave.	1,060.00	60.00
Glen.	Brown ave.	Northampton st.	912.00	50.00
James	Main st.	H. & W. R. R. line	800.00	50.00
Linden	Sargeant st.	Beech st.	1,250.00	60.00
Locust	Sargeant st.	Franklin st.	500.00	60.00
Magnolia	Sargeant st.	Franklin st.	500.00	60.00
St. Jerome av.	Dwight st.	Sargeant st.	1,863.00	50.00
Sargeant	Oak st.	Northampton st.	3,400.00	60.00
Sycamore	Hampshire st.	Franklin st.	1,000.00	60.00
View	Brown ave.	Northampton st.	1,057.00	50.00
West	Bowers and Mosher line	Pequot st.	338.00	50.00
Willow	Brown ave.	Laurel st.	940.00	50.00

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The established grades of the previous named streets are as follows.

Name of Street.	Intersection with	Grade.
Charles	Washington avenue	254.33
Charles	Laurel street	247.62
Franklin	Linden street	177.00
Franklin	Locust street	182.50
Franklin	Sycamore street	189.50
Franklin	Magnolia avenue	204.00
Franklin	St. Jerome avenue	220.00
Glen	Brown avenue	246.34
Glen	A point 800 ft. west of center of Brown ave.	254.50
Glen	Northampton street	253.50
James	Main street	64.00
James	A point 100 ft. west of Main street	64.50
James	Temple street	78.00
James	A point 150 ft. west of Temple street	82.50
Linden	Beech street	189.50
Linden	Jackson street	184.00
Linden	Franklin street	177.00
Linden	A point 200 ft. north of Franklin street	179.50
Linden	A point 350 ft. north of Franklin street	186.00
Linden	Sargeant street	196.00
Locust	Sargeant street	205.00
Locust	Franklin street	182.50
Magnolia	Sargeant street	207.00
Magnolia ave.	Franklin street	204.00
St. Jerome ave.	Dwight street	251.00
St. Jerome ave.	Shawmut avenue	250.00
St. Jerome ave.	Farnum street	249.25
St. Jerome ave.	A point 174 ft. S. of the center of Farnum st.	245.00
St. Jerome ave.	A point 574 ft. S. of the center of Farnum st.	227.00
St. Jerome ave.	A point 924 ft. S. of the center of Farnum st.	223.00
St. Jerome ave.	Sargeant street	230.00
Sargeant	Oak street	205.00
Sargeant	Linden street	196.00
Sargeant	Locust street	205.00
Sargeant	Sycamore street	199.00
Sargeant	Magnolia avenue	207.00
Sargeant	At angle west of Magnolia avenue	211.00
Sargeant	St. Jerome avenue	230.00
Sargeant	A point 500 ft. west of St. Jerome avenue	251.50
Sargeant	Northampton street	268.37

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Name of Street.	Intersection with	Grade.
Sycamore	Hampshire street	223.00
Sycamore	A point 150 ft. south of Hampshire street	213.50
Sycamore	Sargeant street	199.00
Sycamore	Franklin street	189.50
View	Brown avenue	247.70
View	A point 250 ft. west of Brown avenue	251.50
View	Northampton street	256.00
West	Bowers and Mosher line	115.50
West	Samosett street	116.00
West	Pequot street	112.00
Willow	Brown avenue	249 00
Willow	A point 150 ft. west of center of Brown ave.	253.00
Willow	A point 300 ft. west of center of Brown ave.	253.00
Willow	A point 600 ft. west of center of Brown ave.	250.00
Willow	A point 750 ft. west of center of Brown ave.	251.50
Willow	Laurel street	255.03

STREETS ACCEPTED IN 1896.

Name of Street.	From	To	Length in ft.	Width in ft.
Hampshire	Linden st.	Sycamore st.	592.00	60.00
Linden	Hampshire st.	Sargeant st.	500.00	60.00
Locust	Cabot st.	Sargeant st.	1,000.00	60.00
Allyn	Pleasant st.	Nonotuck st.	692.00	40.00
Laurel	Brown ave.	Northampton st.	1,347.00	50.00

The established grades of the above named streets are as follows.

Name of Street.	Intersection with	Grade.
Hampshire	Sycamore street	223.00
Hampshire	Locust street	241.50
Hampshire	Linden street	246.00
Locust	Sargeant street	205.50
Locust	Cabot street	256.00
Linden	Sargeant street	196.00
Laurel	Brown ave.	241.00
Laurel	A point 200 ft west of Brown avnuee	248.00
Laurel	A point 300 ft. west of Brown avenue	250.00
Laurel	A point 400 ft. west of Brown avenue	251.25
Laurel	A point 1,000 ft. west of Brown avenue	254.00
Laurel	Northampton street	258.00
Allyn	Pleasant street	263.50
Allyn	Pearl street	264.25
Allyn	Nonotuck street	260.00

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THE FOLLOWING TABLE IS A LIST OF THE STREETS ACCEPTED TO DECEMBER 1, 1902.

Street.	From	To	Length in ft.
Adams	Main	Canal	1,055
Allyn	Pleasant	Northampton	2,400
Appleton	West Dwight	Winter	6,747
Arlington	Hampden	Lincoln	800
Beacon avenue	Pleasant	Northampton	2,518
Beech	Hampden	Northampton	7,550
Bond	Appleton	Cabot	1,000
Bowers	Pequot	Bowers-Mosher line	375
Bridge	Cabot	Canal	2,500
Brooks avenue	O'Connor avenue	Hampden	429
Brown avenue	South	Dingle	2,600
Cook	Myrtle avenue	Washington avenue	285
Cabot	Canal	Oak	5,108
Carlton	Chapin	Northampton	1,540
Canal	Cabot	Main	3,174
Center	Lyman	Samosett	1,600
Cherry	Northampton	Hillside avenue	800
Chapin	Gates	Carlton	770
Chapin	South	Carlton	340
Charles	South	Laurel	533
Chestnut	Franklin	Prospect	5,150
Clinton avenue	Miller avenue	Dwight	440
Commercial	Cabot	Jackson	2,000
Congress	Elm	Chapin	682
Crescent	Park	Appleton	360
Dwight	Northampton	B. & M. R. R. line	8,404
East	Crescent	Park	1,633
East Dwight	Center	H. W. P. Co. land	685
Elm	South	Davis	982
Elm	Sargeant	Prospect	4,710
Ely	Summer	Ely court	988
Essex	Bond	Poplar	3,386
Fairfield avenue	Pleasant	Nonotuck	700
Fountain	Front	Elm	1,743
Franklin	Commercial	Chestnut	945
Franklin	Linden	St. Jerome avenue	1,060
Front	Lyman	Dwight	1,000
Glen	Brown avenue	Northampton	912
Hamilton	Canal	Race	1,520

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Street.	From	To	Length in ft.
Hampden	Front	Pine	1,987
Hampden	Linden	Northampton	3,690
Harrison avenue	South	Washington avenue	580
High	Franklin	Prospect	5,210
Hampshire	Commercial	Sycamore	3,514
Highland avenue	Pleasant	Nonotuck	690
Howard	Hampden	Lincoln	820
Jackson	Main	Canal	1,182
Jackson	Main	A point 400 ft. w. of second level canal	820
Jackson	Maple	Pine	1,152
James	Main	H. & W. R. R. line	800
John	High	Front	555
Laurel	Brown avenue	Northampton	1,347
Lincoln	Nonotuck	Northampton	1,785
Linden	Prospect	Beech	5,175
Lawler	Northampton	Martin	945
Locust	Essex	Franklin	2,000
Lyman	Canal	Prospect	4,623
Magnolia	Sargeant,	Franklin	500
Main	Race	Prew avenue	9,426
Maple	South	Prospect	6,710
Miller avenue	Clinton avenue	Hampden	416
Myrtle avenue	Harrison avenue	Northampton	879
Newton	Appleton	Cabot	1,000
Nonotuck	Dwight	Highland avenue	3,680
Northampton	Northampton line	Main	17,521
North Bridge	Canal	East Dwight	1,938
North East	Mosher	H. W. P. Co. land	810
North Canal	Lyman	Lyman	2,138
North Summer	Lyman	Ely	625
Oak	Dwight	Sargeant	3,000
O'Connor avenue	Dwight	Brooks avenue	410
Olive avenue	Dwight	Beacon avenue	380
Oliver	Front	High	555
Park	Crescent	Canal	3,184
Pearl	Hampden	Highland avenue	1,773
Pequot	Bowers	A point 200 ft. east of West	555
Pine	Lyman	Sargeant	4,000
Pleasant	Appleton	Beacon avenue	500

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Street.	From	To	Length in ft.
Pleasant	Hampden	A point 415 ft. N. of Highland ave.	2,755
Plymouth place,	Commercial	Alley east of High	230
Prospect	Front	Hampden	3,040
Race	Main	Sargeant	3,600
Ross avenue	Maple	Elm	570
Russell terrace	Carlton	South	338
Samosett	Bowers	Center	649
Sargeant	Canal	Northampton	8,394
Summer	Cabot	Adams	1,475
Summer	Jackson	Canal	420
South	Maple	Northampton	2,820
Spring	Park	Race	557
Suffolk	Beech / Walnut	Appleton / Railroad	2,778
St. Jerome avenue	Sargeant	Dwight	1,863
Sycamore	Appleton	Cabot	1,000
Sycamore	Hampshire	Franklin	1,000
Taylor	Hampden	Land of R. T. Prentiss	1,533
Union	Lyman	Prospect	656
Vernon	Main	H. & W. R. R. line	1,030
View	Brown avenue	Northampton	1,057
Waldo	Hampden	Beacon avenue	460
Waldo	Allyn	Lincoln	416
Walnut	Lyman / Sargeant	Cabot / Hampshire	3,500
Washington avenue	Chapin	Northampton	1,265
West	Pequot	Bowers-Mosher line	390
Williams	Lincoln	Allyn	418
Willow	Brown avenue	Laurel	940
Worcester place	Commercial	Alley east of High	238
		Feet, 5,280	219,271
		Miles, 41.53	

BRIDGES.

The most important problem in this department during the year was the construction of a new bridge on South Main street over the third level canal. To build an economical structure of the deck type having a single span of 100 feet and 70 feet in width, or the width of the street, would be a simple achievement

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were the depth of the structure not limited to three feet three inches below the street grade. It is needless to say the erection of a first-class structure at a reasonable cost, having none of its parts standing above the grade line, which the Board of Public Works and citizens at-large desired, was under such restrictions, out of the question. It was not until after considerable study of the problem that a plan or design was developed which complied with these restrictions and in accordance with which the bridge has been built. This design provided for a structure having three spans of thirty-three feet and three inches each instead of a single one of one hundred feet. The piers dividing the spans to be built not of masonry but of columns which would retard as little as possible the flow in the canal. For this purpose a row of cast iron columns filled with Portland cement concrete and set twelve feet on centers was proposed for each pier.

The bottom of the canal at this point was found, on examination made by hydraulic boring, to be a bed of fine sand from sixty to sixty-five feet in thickness. The problem of securing a good foundation for the columns on such material was a serious one, especially since it was well known that a wooden structure of two spans which stood there previous to the one now going to be replaced had collapsed owing to the failure of the pier which the current had undermined. How the problem was solved and all the other limited conditions and requirements satisfied, are shown in the plans and need not be described here. Suffice to say that a first-class metal structure of the deck type one hundred feet in length and seventy feet in width, having a vitrified brick roadway, concrete sidewalks and doubled tracked for electric railway service has been erected at a cost of $11,168 or about $1.59 per square foot of surface area.

Rivers & Young of Willimansett, Mass., were the contractors who executed the contract to the satisfaction of the city.

It would be unworthy of your Engineer not to express his thanks to the Water Power Company for granting permission to the city to place columns in the canal, or not to acknowledge the advice rendered and courtesy shown by the officials of this com-

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pany all through from the time the construction of the bridge was first proposed until finished.

The wooden bridge on Jackson street over the second level canal, which was in course of construction at the end of the last fiscal year, was finished and opened to travel in January.

Sidewalks were added to the wooden bridge on Sargeant street over the first level canal at a cost of $461.34.

All the other bridges in the city are in the usual condition. The Dwight street bridges over the first and second level canals have been painted, and all the other canal bridges, with the exception of the wooden bridge over the first level canal at Sargeant street, have been replanked.

Because of the increasing traffic, the plank roadways of our bridges wear out much sooner than formerly, thus increasing the cost of maintenance considerably.

When the county bridge between this city and South Hadley Falls was built in 1889 it was then the general opinion of the experts in this line that the plank roadway would not have to be renewed oftener than once in three years. Experience has shown, however, that this opinion was erroneous, as the planking has to be renewed once in two years.

Common plank roadways should no longer have any place in first-class municipal bridge construction, consequently all new structures built, connecting our main thoroughfares, should have permanent roadways.

It is recommended that such steps be taken by the city this year to have the N. Y., N. H. & H. Railroad Company raise and lengthen the bridge crossing South Main street. This bridge should be raised at least two feet and lengthened to the full width of the street.

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LIST OF BRIDGES UNDER CARE OF THE CITY.

Location.	Length in feet.	Width of Roadway.	Area of Roadway.	No. of Walks.	Width of Walks.	Area of Walks.

fat from phenomenal storms.

e other sewers constructed during the year consist of an Akron pipe laid in Nonotuck street southerly from the ight street sewer into which it discharges; a 10-inch Akron ipe in Martin street from Hitchcock street southerly, discharging into the Hitchcock street sewer; a 12-inch Akron pipe in Railroad street from the Suffolk street sewer southerly to the alley in

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the rear of Suffolk and Division streets, thence a ten-inch pipe westerly in the above mentioned alley to the alley east of High street; and an 8-inch Akron pipe in Grant street from the Columbus street sewer northerly a distance of 208 feet.

For some years past the sewer in Hampden street between Nonotuck and Pleasant streets has, from time to time, in heavy storms become surcharged, thus causing considerable damage to the abutting properties by the flooding of cellars. To prevent like occurrences in future the plan of laying an auxiliary sewer 24 inches in diameter along side of the present one from Nonotuck street to the man-hole located at the intersection of the alley east of Taylor street and Hampden street had been proposed. At the latter point the Hampden street sewer is increased to 3 feet in diameter which with its steep grade has a discharging capacity considerably greater than the aggregate of the discharging capacities of all the sewers contributing to it, including that of the proposed new sewer. The plan proposed, also provided that the present sewer with all its connections would be left undisturbed and that the new sewer would only be connected with it at the different man-holes, and then only when the older sewer would be running nearly full. This latter feature to be accomplished by a weir placed in the man-holes between the sewers.

The Board of Public Works saw the feasibility of the plan, the result being that the auxiliary sewer as proposed is now in course of construction and will be finished in a few weeks.

In the coming year a sewer should be laid to drain the houses abutting Main street southerly from the railroad bridge over Main street at South street. A sewerage system should be built for the inhabitants of Ingleside, and your attention is called to the Walnut street outlet nuisance and the proposed Highland system, both of which have been commented upon in previous reports of this department.

Below is a tabulated list of the sewers laid during the year, and also a list of the catch basins built during the year.

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CATCH BASINS BUILT IN 1902.

LOCATION.	STREET OR STREETS.	CONNECTED WITH SEWER IN
East side, between Lyman & H'pden streets	Chestnut	Lyman street
S. W. corner	Dwight and Beech	Dwight street
N. W. corner	Dwight and Oak	Dwight street
N. E. corner	Dwight and Pine	Dwight street
N. W. corner	Elm and South	South street
S. W. corner	Hampshire and Elm	Alley rear Chestnut and Elm streets
S. W. corner	Hitchcock and Dexter	Hitchcock street
S. W. corner	Hitchcock and Martin	Hitchcock street
N. W. corner	Hitchcock street and Holyoke Street Railway, right of way	Hitchcock street
Alley rear	Oak and Linden, S. of Cabot	Alley rear Oak and Linden streets
N. W. corner	Sargeant and Maple	Sargeant street
W. side	School	School street
Alley rear	So. Bridge and Summer, near Canal	Alley rear Bridge and Summer streets
Alley rear	Bridge and East, 100 ft. S. of Hamilton	Alley rear Bridge and East streets
Alley rear	Summer and Canal, S. of Sargeant	Alley rear Summer and Canal streets
N. W. corner	Bigelow and Cabot	Holyoke Water Co.'s penstock

BATH HOUSES AND SANITARIES.

Two new public bath houses, one in Ward One and the other in Ward Four, have been constructed at a cost of $1,675 and $1,775 respectively. With this increase in the number of bath houses, making a total of four, it is unnecessary to say that these sources of amusement for the young have been liberally provided. The great popularity of these institutions cannot be better described than by stating that the number of bathers in the warmer months, July and August, was on an average, 2,000 per day besides a large number of adults who took shower baths in the evening. In the report of this department for 1899, when the

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first public bath house was built, a full description of this type of summer bath house was given, hence it is unnecessary to recapitulate here.

SANITARIES.

Two sanitaries have been provided for public use within the year, one fitted up in the rear of the basement of the City Hall at a cost of $1,674 and the other built in Prospect Park at a cost of $1,560. While these public sanitaries and bath houses, erected in the most populous districts of the City, are small matters in themselves, yet the idea of such institutions indicates a spirit of progress and advancement of which every citizen may feel proud.

SIDEWALKS AND CURBING.

For the number of lineal feet of curbing and square yards of new and re-covered sidewalks laid together with all the work done in connection with maintenance, etc., you are respectfully referred to the report of the Board of Public Works.

WATER WORKS.

The most important engineering work done in the Water Department during the year was the preparation of plans and specifications for the new high service reservoir dam. Surveys, profiles and contour maps relating to the same and to the reservoir and water shed; maps, profiles and computations prepared for the Shoals water damage case; plans and profiles for the raising of the tracks of the Holyoke and Westfield railroad to an elevation three (3) feet higher at a point in close proximity to Ashley reservoir, where in times of high water the road bed was endangered; surveys, defining of boundary lines by stone monuments and record maps, and profiles on a large scale, of the pipe lines from Ashley and Whiting street reservoirs; surveys defining boundaries, the placing of stone monuments therein, and record maps of lands purchased in the early history of the Water Works and since then; surveys correcting and re-locating boundary lines

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and corners of lands purchased, which were never located on the ground at the time of transfer by the grantors, because of not knowing where these boundary lines were. This may seem strange, but is nevertheless true as it is nothing unusual for parties to own woodland property and mountain territory without any correct knowledge whatever of where the boundary lines and corners are located.

The Water Board is to be commended on its policy in having all the landed property belonging to the water works well defined by stone monuments set in the boundary lines and full and complete record maps made of the same.

MAPS, PROFILES, PLANS AND SPECIFICATIONS.

Prepared and placed on file from December 1, 1901, to December 1, 1902.

MAPS.

Contour map of Elmwood park.

Map of Mt. Tom reservation.

Cross section map of Elmwood Park.

Map of city from Northampton line to West Springfield line and embracing a large portion of West Holyoke territory.

MUNICIPAL LIGHTING.

General plan of electric light plant.

DRAWINGS FOR CITY SOLICITOR.

Plan of accident location on Hamilton street near Bridge street, Delisle versus city of Holyoke.

Plan of accident location at corner of West street and East Dwight street, O'Connor versus city of Holyoke.

Plan of Hampden street sewer and drainage shed, Rigali versus city of Holyoke.

Profile of Hampden street sewer.

Map of water shed of Hampden street sewer west of Northampton street.

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STREETS.

Profile of old county road from Elmwood to Springdale.

Profile of Cherry street.

Plan and profile of Summer street between Jackson and Canal streets.

Plan and profile of Waldo street between Lincoln and Allyn streets.

Plan and profile of Worcester place between Commercial street and alley east of High street.

MISCELLANEOUS.

Plan and profile of Hampden street sewer from Brooks avenue to Nonotuck street for a new twenty-four inch sewer.

Plan of Elmwood park east of Maple street showing the wells of the American Writing Paper Company.

Plans and specifications for building at the city yard for offices, shops and storage.

Plans and specifications for metal bridge over the third level canal on South Main street.

Plans and specifications for sidewalk on South street bridge over the Holyoke and Westfield railroad.

Plan for subway connecting Winter and Bridge streets.

Plans for addition to the Sargeant street school building.

Plans and specifications for women's waiting room and sanitaries for Prospect park.

Plans and specifications for bath houses in Wards One and Four.

Plans and specifications for shed for shooting range for Company D.

Plan of Ranlet property adjoining Elmwood park.

Plans for offices for Holyoke Water department.

Plans and specifications for new sidewalks on Dwight street bridge, over the second level canal.

Sketch of Alms House property adjoining Whiting farm.

Plans of City Hall entrances for storm door estimates.

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Plan of catch basins overflowing into canals.

Studies for municipal lighting offices in old library room in City Hall.

BUILDING INSPECTOR.

The accompanying table presents a statement of the plans and specifications for buildings to be erected within the fire limits, which have been accepted and placed on file in this office during the municipal year ending December 1, 1902.

AREA OF CITY PROPERTY.

SCHOOLHOUSE LOTS.

Appleton street school,	24,000 sq. ft.
Back street school,	8,168 "
Bridge street school,	14,279 "
Carlton street school,	19,046 "
Chestnut street school,	18,600 "
East Dwight street school,	21,788 "
Hamilton street school,	19,465 "
Elm street school,	20,900 "
High school (Pine street),	103,840 "
Ingleside school,	14,520 "
Lyman street school,	10,160 "
Nonotuck street school,	29,176 "
Park street school,	24,315 "
Sargeant street school,	23,600 "
School street school,	13,000 "
South street school,	35,310 "
South Chestnut street school,	26,840 "
Springdale school (hose house),	4,371 "
Temple street school,	20,865 "
West street school,	40,000 "
West Holyoke school,	8,167 "
Highlands Grammar school,	94,960 "
Springdale Grammar school,	30,000 "
	"
Total,	625,370 sq. ft

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ENGINE HOUSE LOTS.

Ward 1.	Canal street (Mt. Tom),	4,466 sq. ft.
Ward 2.	Main street (Relief),	5,500 "
Ward 3.	South street (Dexter hose),	14,298 "
Ward 4.	Chestnut street (Emerald),	5,400 "
Ward 6.	High street,	4,000 "
Ward 7.	West Hampden street (Highlands),	23,456 "
	Total area,	57,120 sq. ft.

PARKS.

Canonchet Park,	56,000 sq. ft.
Elmwood Park,	631,000 "
Germania Park,	10,882 "
Hamilton Park,	17,287 "
Hampden Park,	114,400 "
Prospect Park,	198,210 "
Park at junction of Appleton and Dwight streets,	1,180 "
Park at junction of Appleton and Suffolk streets,	2,010 "
Park at junction of Laurel and Willow streets,	2,075 "
Total area,	1,033,044 sq. ft
	23.71 acres

MISCELLANEOUS.

City Hall lot,	45,000 sq. ft.
City yard,	36,000 "
City Gravel bank,	5.00 acres
Almshouse farm,	76.61 "
Pest house farm,	30.00 "

STATISTICS OF THE CITY OF HOLYOKE, 1902.

Population, May 1, 1900 (U. S. census),	45,712
Population, May 1, 1902 (school census),	47,043
Number of voters,	6,933
Number of polls,	11,391

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Public schools, enrollment (day),	6,293
Public schools, enrollment (night),	1,008
Parochial schools, enrollment,	3,988
Area of city,	16.35 sq. miles
Greatest extent north and south,	4.75 " "
Greatest extent east and west,	5.12 " "
Park area,	23.71 acres
Country roads,	35.25 miles
City streets (accepted),	41.53 "
City streets (unaccepted),	15.75 "
Asphalt block pavement,	0.76 "
Granite block pavement,	2.59 "
Vitrified brick pavement,	1.59 "
Common brick pavement,	0.10 "
Bituminous macadam,	0.38 "
Macadam,	3.90 "
Sidewalks and crossings,	49.45 "
Water mains,	54.48 "
Streets watered,	42.21 "
Sewers,	32.57 "
River front,	7.06 "
Electric railroads,	25.84 "
Steam railroads,	14.25 "
Railroad stations,	4
Street lights, electric (arc),	255
Street lights, electric (incandescent),	3
Street lights, oil,	29
Street lights, gas,	2
Dwelling houses,	4,676
School houses,	30
Bath houses,	4
Business colleges,	2
Churches,	20
Police station,	1
Fire engine houses,	6
Fire alarm boxes,	116

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Hook and ladder truck,	3
Fire hydrants,	543
Post offices,	5
Area assessed,	7,026 acres
Valuation, real estate,	$30,143,380.00
Valuation, personal,	10,595,830.00
Tax rate per $1,000,	16.00

In conclusion I desire to express my grateful appreciation to your Honor, to you, the Honorable Board of Aldermen, to the Board of Public Works and its officers, to the City Solicitor, and to the heads and officers of the several departments for the unreserved co-operation so kindly extended to this department.

Respectfully submitted,

JAMES L. TIGHE,

City Engineer.

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SIXTH ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

OF THE

CITY OF HOLYOKE,

FOR THE YEAR 1902.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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REPORT OF
THE BOARD OF PUBLIC WORKS.

Established January 4, 1897, by his Honor, the Mayor, under the provisions of Title Six, Section Thirty-four, of an Act to Revise the Charter of the City of Holyoke, which provides for appointment of members by the Mayor without confirmation.

Organized January 4, 1897.

ORGANIZATION FOR 1902.

Michael F. Walsh, Chairman,	Term expires February, 1905
Oren D. Allyn,	Term expires February, 1903
Gilbert Potvin, Jr.,	Term expires February, 1904

CLERK.

James L. Tighe, City Engineer,	Term expires February, 1905

ASSISTANT CLERK.

Oscar C. Ferry, elected January 22, 1897, by the Board under Civil Service Rules.

MEMBERS OF THE BOARD AND THEIR TERMS SINCE ORGANIZATION.

James H. Newton, Chairman,	January 4, 1897, to December 31, 1897.
*Michael F. Walsh, Chairman,	January 4, 1897.
William B. Reid,	January 4, 1897, to February 7, 1899.
†Oren D. Allyn,	January 1, 1898.
‡Gilbert Potvin, Jr.,	February 7, 1898.

*—Reappointed February 6, 1899 and February 3, 1902.
†—Reappointed February 5, 1900.
‡—Reappointed February 3, 1901.

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PERSONNEL OF DEPARTMENT HEADS.

SUPERINTENDENT OF OUT-DOOR WORK.

Henry Winkler; elected annually by the Board. Term expires March 1, 1903.

INSPECTOR OF PUBLIC BUILDINGS.

Fred H. Gilpatrick; appointed by the Mayor. Term expires February, 1903.

LAMPLIGHTER.

Peter J. Kingsley; elected by the board.

FOREMEN OF OUT-DOOR DEPARTMENT.

William Rooney; appointed 1892 by Superintendent of Streets, under civil service rules.

Maurice F. Warren; elected by the Board, March 23, 1897, under civil service rules.

Patrick Fitzgerald; elected by the Board, April 22, 1902, under civil service rules.

FOREMAN OF ALLEY DEPARTMENT.

Richard Shea; elected by the Board April 22, 1902, under civil service rules.

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CITY OF HOLYOKE, MASSACHUSETTS.
Office of the Board of Public Works. } December 19, 1902.

Hon. Arthur B. Chapin, Mayor, and the Honorable, the Members of the Board of Aldermen of the City of Holyoke.

GENTLEMEN:—We herewith present the sixth annual report of the Board for the year ending November 30, 1902.

For a detailed report of the work done in the department we refer you to the exhibits hereunto annexed.

The most important work done the past year was the building of a new bridge across the third level canal on Main street at a cost as follows:

Contract,	$10,999.00	
Inspection,	169.38	$11,168.38
Appliances for suction hose, steam fire engines,	122.36	
Paving approaches necessitated by widening street,	312.24	434.60
		$11,602.98

For a complete description of this bridge we refer you to the report of the City Engineer.

Dwight street from Elm street to School street and Maple street from Suffolk street to Dwight street were paved with bituminous macadam. Vitrified brick pavements were laid on Lyman street from Center street to a point east of Bowers street to connect with the pavement already on that street, on the north side of Cabot street between the first and second level canals and on Dwight street from Race street to the easterly side of Front street. On this street the granite paving was taken up and laid on Lyman street from Front street to High street. A new macadam roadway was laid on Lyman street from Maple street to Pine street.

Much routine work was done including the resurfacing of Dwight street macadam from Maple to Elm streets and Ely street along its entire length and relaying the asphalt block paving on High street from Appleton to Essex street.

The public sanitary in the City Hall was completed early in the year at a cost of $1,644.78. This has been greatly appreciated and largely used.

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ALLEY DEPARTMENT.

The expense of the alley department has been increased over 1901 by the increase in the contract price for the collection of garbage together with an improvement all along the line in the collection of refuse matter. This department must be provided with an appropriation of at least $19,000.

The improvements at Elmwood Park at Maple street made possible by the extension of the culvert and the filling in of the land by the ashes collected by this department have made a most pleasant change in the landscape there.

The saving to this department in the length of the haul and the value of the land made by the fill, will we believe justify an appropriation for an extension to the culvert.

CITY PROPERTY.

The number of new buildings constructed by the city during the last few years has materially increased the expense of this department, especially in the maintenance account.

Some of the buildings are sadly in need of new sanitary arrangements.

The proper care of the buildings and the installing of such new work as is urgently required demands that an appropriation of sufficient size be given.

The expenditures made this year for the construction of two new bath houses and the maintenance of the existing ones have, we believe, met with the approval of the people of the city. The expense of maintaining these houses should be taken into consideration in fixing the appropriation of this department.

The buildings at the yard are in our opinion a disgrace to the city of Holyoke. Suitable buildings for the storage of valuable carts and machines are a necessity and the policy of providing such buildings was long ago established by other progressive cities. The buildings should contain suitable accommodations, not only for storage purposes, but for the repair of tools and

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other implements used by the city. We sincerely hope that an appropriation for necessary buildings at the yard may be given us the coming year.

FUEL AND STREET LIGHTING.

The conditions existing in the coal fields have caused a heavy drain on this appropriation and has emptied the coal bins in the buildings to an alarming extent.

We hope that the city will be able to obtain the coming year some 200 badly needed additional arc lights, which the Board has been unable to obtain for the past five years.

We shall need an increased appropriation in this department next year.

HIGHWAYS.

The Board approves of the installing of more permanent work the coming year along the same lines as were followed the current year.

We recommend the replacing each year of at least one of the old canal bridges with a modern structure.

The establishment of a stone crushing plant in the foot hills west of Northampton street is hereby recommended. We believe that the establishing of such a plant will prove very advantageous in improving the roads within the limits of the City. We trust that an appropriation may be made this year for this purpose, believing that a macadam dressing on the suburban roadways is more economical than gravel.

The bituminous macadam as laid in this city the current year has proven satisfactory thus far. In its present condition we believe it to be the best pavement for streets not used for heavy traffic, at present before the people.

When the financial condition of the City will permit we approve of an expenditure of a liberal amount in improving the condition of our country roads.

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SANITARIES.

The establishing of a public sanitary in the basement of the City Hall building has proven an accommodation to the public. We are favorable to the extension of this class of work in different sections of the City, and would suggest the placing of a public sanitary at the corner of Race and Dwight streets the coming summer.

SEWERS AND DRAINS.

The Highlands and Ingleside districts urgently need increased sewer accommodations. Adequate provisions should be made for installing sewers of sufficient size for the house drainage and surface sewage in these districts.

SIDEWALKS.

There is a large number of petitions for sidewalks and curbing on file in the office, which the Board has been unable to grant. We believe that the work should be continued with unabated energy. An appropriation equal to that of the present year is desired for 1903.

We are indebted to the Mayor, members of your Honorable Board and to the Department Officials of the city for the unfailing courtesy shown us.

Respectfully submitted,

The Board of Public Works.

M. F. WALSH, Chairman,
GILBERT POTVIN, JR.,
O. D. ALLYN.

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EXHIBIT A.

DEPARTMENT ACCOUNTS.

Departments	Total Appropriations Balances, Receipts and Transfers	Expenditures and Transfers From	Balances
Alleys,	$19,038.35	$19,038.35	
Bath house, Ward One,	1,600.00	1,600.00	
Bath house, Ward Four,	1,600.00	1,600.00	
City Hall fund,	2,654.73	2,246.91	$407.82
City property,	18,904.72	18,021.89	882.83
Fuel and street lights,	55,048.00	52,704.70	2,343.30
Highways,	42,033.21	35,539.06	6,494.15
Highland school,	1,655.89	1,655.89	
High school and site,	6,493.04	6,493.04	
Main street bridge,	11,569.43	11,569.43	
Permanent highways,	40,316.44	40,316.44	
Public works contingent,	701.19	682.54	18.65
Sewers and drains,	9,973.63	9,788.22	185.41
Sidewalks,	17,439.75	17,176.25	263.50
Street watering,	9,000.00	8,988.16	11.84
Water rent,	11,000.00	10,231.26	768.74
	$249,028.38	$237,652.14	$11,376.24

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EXHIBIT B.

TOTAL COST SHEET OF SCHOOL BUILDINGS.

Name.	Supplies and Maintenance.	Payrolls.	Fuel.	Coal Bought by Contract.	Gas Lighting.	Electricity. (Light.)	Electricity (Power.)	Totals.
Appleton Street School,	$608.69	$91.00	$421.24	$225.75	$106.99		$102.00	$1,555.67
Bridge Street School,	413.28	279.44	478.77		3.77		68.18	1,243.44
East Dwight Street School,	52.46	21.75	253.40		14.56			342.17
Elm Street School,	349.14	30.00	257.78		23.79	$33.17		693.88
Elmwood School,	554.78	118.00	130.75		8.32		69.92	881.77
Hamilton Street School,	656.68	59.75	329.20		73.45		131.79	1,250.87
High School,	1,248.57	20.25	1,658.88	1,453.97	64.48	63.33	1,864.36	6,373.84
Highland School,	1,495.76	213.44	1,404.92	325.00	77.41		354.45*	3,870.98
Ingleside School,	26.00		18.00					44.00
Lyman Street School,	54.23	26.00						80.23
Nonotuck Street School,	146.67	355.14	16.50		13.91	91.14		623.36
North Chestnut Street School,	163.04	21.25	5.00		60.19			249.48
Park Street School,	467.27	97.00	461.27	96.75	7.28		35.31	1,164.88
Sargeant Street School,	64.42	45.75	276.85					387.02
School Street School,	109.34	13.00	17.00					139.34
South Chestnut Street School,	130.40	66.25	495.92	96.75				789.32
Springdale School,	298.14	34.50	526.99		10.66			870.29
West Street School,	768.32	59.50	536.88	682.09	63.57		292.65	2,403.01
West Holyoke School,	196.85							196.85
	$7,804.04	$1,552.02	$7,289.35	$2,880.31	$528.38	$187.64	$2,918.66	$23,160.40

*Gas Engine.

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EXHIBIT C.

TOTAL COST SHEET OF FIRE DEPARTMENT HOUSES.

Name of House.	Supplies and Maintenance.	Payrolls.	Fuel.	Coal Bought by Contract.	Gas Lighting.	Electricity (Light.)	Totals.
Elmwood, ...	$164.13	$ 75.50	$ 45.75		$73.19		$ 358.57
Emerald, ...	57.59	26.00	17.70	$96.50	28.04	$ 56.96	282.79
High Street, . . .	233.32	135.75	353.74		94.12	346.58	1,163.51
Highland, ...	186.19	125.12	7.00		92.17		410.48
Mt. Tom, ...	108.68	49.50	12.90	81.78	19.76	107.42	380.04
Relief, ...	245.06	75.25	192.58	21.00	48.50	93.15	675.54
Totals, ...	$994.97	$487.12	$629.67	$199.28	$355.78	$604.11	$3,270.93

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EXHIBIT D.

TOTAL COST SHEET PUBLIC BUILDINGS OTHER THAN SCHOOL BUILDINGS AND FIRE DEPARTMENT HOUSES.

Name	Supplies and Maintenance	Pay Rolls	Fuel	Coal Bought by Contract	Electricity (Light)	Totals
Bath House, Ward One,	$271.79					$271.79
Bath House, Ward Two,	362.57					362.57
Bath House, Ward Four,	329.69					329.69
Bath House, Ward Six,	413.43					413.43
City Farm,	906.44	$187.00	$35.00	$3,317.56	$17.22	4,463.22
City Hall,	638.32	58.63	563.53			1,260.48
City Hall, Tramp Room,	48.93					48.93
City Hall, Marshal's Office,	287.04	112.00				399.04
City Hall, Sanitary,	1,579.90	64.88				1,644.78
City Hall, Physician's Office,	7.20					7.20
City Yard Buildings,	124.36	29.32	66 38	16.64		236.70
Hillside Hospital,	103.17	23.04		50.00		176.21
Oil Storage House,	9.85					9.85
Prospect Park Sanitary,					31.18	31.18
Rifle Range, Company D.,	11.98	4.50				16.48
Totals,	$5,094.67	$479.37	$664.91	$3,384.20	$48.40	$9,671.55

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EXHIBIT E.

ALL OTHER EXPENSES PAID FROM CITY PROPERTY.

Name	Supplies and Maintenance.
Forestry,	$265.82
Horse,	263.55
Miscellaneous,	502.20
	$1,031.57

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EXHIBIT F.

RECAPITULATION.

Name	Supplies and Maintenance	Pay Rolls	Fuel	Coal Bought by Contract	Gas Lighting	Electricity (Light)	Electricity (Power)	Totals
School Buildings,	$7,804.04	$1,552.02	$7,289.35	$2,880.31	$528.38	$187.64	$2,918.66	$23,160.40
Engine Houses,	994.97	487.12	629.67	199.28	355.78	604.11		3,270.93
Other Buildings,	5,094.67	479.37	664.91	3,384.20		48.40		9,671.55
All other expenses,	1,031.57							1,031.57
Totals,	$14,925.25	$2,518.51	$8,583.93	$6,463.79	$884.16	$840.15	$2,918.66	$37,134.45

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EXHIBIT G.

EXPENDITURES BY YEARS SINCE ORGANIZATION.

Departments.	1897.	1898.	1899.	1900.	1901.	1902.	Totals.
Almshouse Addition,	$ 7,231.21	$ 4,086.37	[illegible]	$ 3,265.21			$ 14,582.79
Alley,				8,488.83	$17,159.76	$19,088.35	44,686.94
Bath House, Ward One,						1,600.00	1,600.00
Bath House, Ward Two,					1,600.00		1,600.00
Bath House, Ward Four,						1,600.00	1,600.00
City Hall Fund,	1,057.99	1,011 76	$ 1,753.17	1,668.93	2,273.52	2,246.91	10,012.28
City Property,	17,124.98	11,530.44	12,574.66	13,745 04	17,148.64	18,021.89	90,145.65
Carlton and School Street School Sanitaries,		1,430.00					1,430.00
Ely Street Widening,					5,000.00		5,000.00
Elmwood School,				10,635.04	14,364.96		25,000.00
Furnishing Almshouse Addition,	714.20	685.56					1,399.76
Fuel and Street Lighting,	39,939.41	39,375.38	46,676.70	50,670.53	54,289.04	52,704.70	283,655.76
Highways and Bridges,	26,249 81	28,773.46	28,697.98	40,380.84	57,337.06	35,539.06	216,918.21
High School and Site,	54,707.56	46,612.04	2,066 94	313.00		6,227.20	109,926.74
Heating and Ventilating Nonotuck Street School,	940.00						940.00
High Street Widening,	5,963.50						5,963.50
Highland School,				34,085 26	45,558.97	1,655.89	81,300.12
Highland School Site,				20,000 00			20,000.00
Maple Street Culvert Extension,				1,500.00			1,500.00
Main Street Bridge,						11,569.43	11,569.43
Paving,	16,172 92	18,393.68					34,566.60
Permanent Work Highway,						40,316 44	40,316.44
Public Work Contingent,	1,017.92	998.28	777.89	795 77	703.04	682.54	4,975.44
Springdale School,				18,498.13	6,501.87		25,000.00
Sewers and Drains,	5,808.24	5,664.48	6,086.30	8,416 62	10,560 23	9,788 22	46,324.09
Sidewalks,	12,752 52	7,905.16	9,884.91	18,279 58	19,287.27	16,426.25	84,535.69
St. Jerome, Charles and Canby Streets Extensions,	7,894.93						7,894.93
Street Watering,	8,046 33	7,527.27	8,406.57	9,399.71	9,115 45	8,988.16	51,483.49
West Street School,	874.07			807.53			1,681.60
Water Rent,						10,231.26	10,231.26
Totals,	$203,495.59	$173,993.88	$116,865.12	$240,950.02	$260,899.81	$236,636.80	$1,235,840.72

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EXHIBIT H.

MAINTENANCE STREET LIGHTS.

Arc,	$26,997.49
Gas,	249.79
Incandescent,	99.10
Gasoline,	166.11
Salary of Lamplighter,	1,000.00
Miscellaneous,	9.12
Total,	$28,521.61

Number of electric arc lights,	263
Number of electric incandescent lights,	6
Number of gas lights,	22
Number of gasoline lights,	33

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EXHIBIT K.

CROSSINGS CONSTRUCTED 1902.

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EXHIBIT K.

CROSSINGS CONSTRUCTED 1902.

Street.	Side.	Across What Street.	Kind.
Chestnut	West	Essex	Vitrified brick
Chestnut	West	Hampshire	Vitrified brick
Ely	East	Hampden	Vitrified brick
Ely	South	Alley between Center and East	Vitrified brick
Hamilton	North	Park	Vitrified brick
Hampden	North	Elm	Vitrified brick
Hampshire	North	Maple	Vitrified brick
Hampshire	South	Maple	Vitrified brick
Maple	West	Hampshire	Vitrified brick
Main	West	Appleton	Vitrified brick
South	North	Elm	Brick
Sargeant	South	Magnolia	Brick
Sargeant	North	Sycamore	Brick
Sargeant	South	Sycamore	Brick
Sycamore	West	Essex	Brick
Bridge	East	Hamilton	Vitrified brick
Main	East	Jackson	Vitrified brick
Main	East	2nd level bridge	Vitrified brick
Ely court	East	Lyman street school	Vitrified brick
Lincoln	South	Nonotuck	Brick
Nonotuck	West	Lincoln	Brick
Nonotuck	West	Allyn	Brick
Allyn	North	Nonotuck	Brick
Walnut	West	Essex	Vitrified brick
Hampshire	South	Alley between Oak and Linden	Brick
Nonotuck	East	Allyn	Brick
Hampshire	North	Locust	Brick
Main	East	Spring	Vitrified brick
Sargeant	South	Locust	Brick
Sargeant	North	Alley between Oak and Linden	Brick
Sargeant	South	Alley between Oak and Linden	Brick
Sargeant	South	Alley between Linden and Locust	Brick
Sargeant	North	Alley between Linden and Locust	Brick
Sargeant	South	Alley between Locust and Sycamore	Brick
Sargeant	North	Alley between Locust and Sycamore	Brick

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EXHIBIT L.

PAVING LAID 1902.

Street	From	To	Length	Yards	Kind	Cost
Cabot, north side	1st canal	2d canal	336	770.45	Brick	$1,406.68
Dwight	Race street	Front street	764	3,454	Brick	6,285.75
Lyman	Point east of Bowers street	Center street	468	2,047	Brick	3,985.44
*Lyman	Front street	High street	505	2,042	Granite	1,280.45

*Blocks taken from Dwight street.

EXHIBIT M.

MACADAM ROADWAY CONSTRUCTED 1902.

Street	From	To	Length	Yards	Cost
+Bridge	Canal	E. Dwight			$428.79
Lyman	Maple	Pine	1,114	4,332	2,405.68
*Dwight	Elm	School	1,987	9,168	15,559.19
*Maple	Dwight	Suffolk	459	1,746	2,968.20
=Park	Canal	Appleton			29.63

*Bituminous. A charge of $1,833.60 was made for the use of the steam roller on Dwight street and $349.20 on Maple street.
+Completion of work started previous year.
=Completion of work started previous year.

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EXHIBIT N.

CATCH BASINS CONSTRUCTED 1902.

Street	Location	Discharges Into
Bigelow and Cabot	Northwest Corner	Holyoke Water Power Company's Penstock
Alley rear Oak and Linden	South of Cabot Street Sewer	Sewer in Cabot Street
Chestnut	East Side bet. Hampden and Lyman	Lyman Street Sewer
Dwight and Beech	Southwest Corner	Dwight Street Sewer
Dwight and Oak	Northwest Corner	Dwight Street Sewer
Dwight and Pine	Northeast Corner	Dwight Street Sewer
Elm and South	Northwest Corner	South Street Sewer
Hampshire and Elm	Southwest Corner	Sewer in Alley rear Chestnut and Elm Streets
Hitchcock and Dexter	Southwest Corner	Hitchcock Street Sewer
Hitchcock and Martin	Southwest Corner	Hitchcock Street Sewer
Hitchcock St. and Holyoke St. Ry. Co.'s Right of Way	Northwest Corner	Hitchcock Street Sewer
Sargeant and Maple	Northwest Corner	Sargeant Street Sewer
School	West Side	School Street Sewer
Alley rear South Bridge and Summer Streets	Near Canal Street	Sewer in Alley rear So. Bridge and Summer Streets
Alley rear South Bridge and East Streets	100 ft. South of Hamilton Street	Sewer in Alley rear So. Bridge and East Streets
Alley rear South Summer and Canal streets	200 ft. South of Sargeant Street	Sewer in Alley rear So. Summer and Canal Streets

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EXHIBIT O.

GUTTERS PAVED 1902.

Street.	Location.	Between what Streets.	
Beech	Both sides	Dwight	Suffolk
Beech	Both sides	Appleton	Suffolk
Beech	Both sides	Essex	Cabot
Center		Lyman	Ely
Center	Both sides	Mosher	East Dwight
Chestnut		Hampshire	Sargeant
Cabot	North	Chestnut	Elm
Elm		Lyman	Fountain
Franklin	North	Maple	High
Hampden	South	Elm	Walnut
Hampden	South	Nonotuck	Thorpe
Locust	West		
Lyman		Walnut	Pine
Maple	West	Sargeant	Ross
Oak	Both Sides	Dwight	Suffolk
Pine		Dwight	Suffolk
Sargeant	South	Commercial	Race
Sargeant	North	Chestnut	Elm
South	North	Elm	South
School	West	Dwight	Hampden
Sycamore	West	Sargeant	Franklin
Sargeant	South	Sycamore	Magnolia
Suffolk	North	Maple	High
Walnut		Hampden	Dwight
Walnut		Hampden	Lyman

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EXHIBIT P.

BRIDGES REPAIRED, RESURFACED AND BUILT.

Bridge	Kind of Work	Cost
Appleton street second level,	Replanking roadway,	$119.04
Appleton street first level,	Replanking roadway,	249.03
Bridges,	General repairs City,	375.66
Bridges,	General repairs country roads,	171.25
Cabot street second level,	Replanking and general,	223.56
Cabot street first level,	Replanking and general,	157.27
Dwight street foot,	General,	17.69
Dwight street first level,	Painting,	251.46
Dwight street second level,	Permanent walks, painting,	793.71
Jackson street second level,	Construction,	2,785.32
Lyman street second level,	Replanking,	360.35
Lyman street first level,	Replanking,	256.63
Main street third level,	*Replanking,	60.05
Main street third level,	Construction of	11,168.38
Sargeant street first level,	New sidewalks,	461.34

*Plank taken from yard.

EXHIBIT Q.

SCHEDULE OF WORK DONE (NOT SHOWN ELSEWHERE).

HIGHWAY DEPARTMENT.

Appleton street repairs,	$20.74
Brown avenue repairs,	1.75
Crosswalk cleaning,	906.73
Crosswalk repairs,	51.01
Country roads' repair,	900.48
Chapin street,	2.25
Cherry street, relocation	615.91
Commercial street, repairs,	11.69
Dwight street, repair asphalt paving,	111.81
Dwight street, repair west of School street,	86.72
Dwight street, repair macadam,	729.29
Ely street, widening,	177.44
East street, repair,	59.14

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Easthampton road, repair,	$38.38
Elm street, repairs,	4.25
Ely street, re surfacing,	1,472.11
Forestry,	987.96
Gutters, cleaning of,	594.26
Gravel streets, cleaning of,	2,778.83
Gutters, repair of,	9.71
High street, relaying paving, Appleton to Cabot streets,	2,672.20
Hamilton street, repair,	2.33
John street, repair,	6.68
Lyman street, repair,	11.75
Lyman street, relaying paving,	48.38
Miscellaneous,	771.66
Myrtle avenue, hardening,	354.22
Maple street, repairs on gutters,	85.38
Maple street, repairs, general,	199.51
Maple street, repair, tree belts,	18.84
Main street,	4.75
Northampton street, repairs,	132.74
Oak street, re-surfacing Fairmount square,	1,279.82
Paved streets, cleaning,	5,189.67
Rollers, new and repairs,	3,877.95
Race street, repairs,	3.63
Summer street, repairs,	37.82
Snow, care of, on country roads,	120.67
Snow, care of, on city streets,	91.68
Snow, care of, along street railway tracks,	380.59
Sargeant street, repairs,	11.90
Street signs,	20.87
Springfield road, repairs on,	56.78
St. Jerome avenue, repairs,	25.88
South street,	55.75
Teams, maintenance, city and new,	2,971.06
Wagons, tools, etc., repairs,	989.72
Wagons, tools, etc., new,	681.07
Telephone account,	28.14
Westfield road,	2.07
West street, repairs,	51.14
Yard watchman,	700.00
Yard, general work at,	83.94
	$30,528.55

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EXHIBIT R.

SEWER DEPARTMENT.

Beech street sewer repairs,	$4.25
Bond street sewer repairs,	34.48
Catch basin cleaning and repairs,	2,454.47
City Farm sewer extension,	120.32
Cabot street sewer repairs,	43.88
Cottage avenue,	7.88
Essex street sewer repairs,	44.75
Flushing sewer,	16.79
Hitchcock sewer repairs,	16.50
Miscellaneous,	135.44
Northampton street sewer repairs,	1.00
Prospect street sewer repairs,	9.82
Race street sewer repairs,	15.00
Wagons, tools, etc., repairs,	153.70
Wagons, tools, etc., new,	21.15
	$3,078.82

EXHIBIT S.

SIDEWALKS.

Beech street, repair curbing,	$23.78
Cinder walks, repair of,	324.23
Dwight street, repair of curbing,	4.54
Miscellaneous work,	209.47
Maple street repair, curbing at Library,	195.26
Race street, repair curbing,	31.40
Snow, removal by plows,	78.30
Snow, removal from public property walks,	472.41
Sanding walks,	15.44
South street repair walk,	25.30
Wagons, tools, etc., repair of,	54.76
Wagons, tools, etc., new,	2.10
Taylor street repair walk,	4.00
	$1,440.99

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EXHIBIT T.

STREET WATERING.

Operation electric sprinkler,	$2,821.25
Maintenance wagons, tools,	1,007.91
Operation carts,	4,505.02
Miscellaneous,	37.50
	$8,371.68

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EXHIBIT U.

BRIDGES.

When Built	Location of Bridges	Materials Made of	Length (Feet)	Width of Road	Area of Road (Sq. Feet)	Surface of Roadway	No. of Walks	Width of Walks	Area of Walks
1890	South Hadley Falls (County), 8 Spans,	Iron	1,280	30	38,400	Wood	2	8 ft.	20,480
1901	Bridge Street, 2nd Level Canal, Valley Mill,	Wood and Iron	140	37	5,180	Brick	2	6 " 6 in.	1,820
1874	Lyman Street, 1st Level Canal, . .	Iron	140	23	3,220	Wood	2	7 "	1,960
1873	Lyman Street, 2nd Level Canal, . .	Iron	140	23	3,220	Wood	2	7 "	1,960
1889	Dwight Street, 1st Level Canal, . .	Iron	130	40	5,200	Stone	2	10 "	2,600
1890	Dwight Street, 2nd Level Canal, . .	Iron	130	40	5,200	Stone	2	10 "	2,600
1870	Appleton Street, 1st Level Canal, . .	Iron	120	24	2,880	Wood	2	8 "	1,920
1883	Appleton Street, 2nd Level Canal, . .	Iron	120	30	3,600	Wood	2	10 "	2,400
1890	Cabot Street, 1st Level Canal, . . .	Iron	110	26	2,860	Wood	2	7 "	1,540
1872	Cabot Street 2nd Level Canal, . . .	Iron	110	24	2,640	Wood	2	8 "	1,760
1876	Sargeant Street 2nd Level Canal, . .	Iron	100	24	2,400	Wood	2	8 "	1,600
1900	Sargeant Street, 1st Level Canal, . .	Wood	76	20	1,520	Wood	2	7 " 6 in.	1,155
1902	Main Street, 3rd Level Canal, . . .	Iron	104	46	4,784	Brick	2	12 "	2,496
1891	Willimansett, Connecticut River, 3 Spans,	Iron	516	30	15,480	Wood	2	8 "	8,160
1891	Willimansett Approach, ...	Iron	104	30	3,120	Wood	2	8 "	1,664
1895	Cabot Street, 3rd Level Canal, ...	Stone	100	40	4,000	Stone	2	10 "	2,000
1892	Foot Bridge Dwight Street, over B. & M. R. R.	Iron	192				1	12 "	2,204

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EXHIBIT V.

BUILDINGS AND LAND.

Name of Building.	Value of Building.	Square feet of Ground.	Land Value.	Material Built of.	Total Value.	Number of Rooms.
Appleton Street School,	$ 20,000	24,400	$ 18,300	Brick,	$ 38,300	12
Back Street School, . .	1,000	8,167	100	Wood,	1,100	1
*Bath house, ward one, .	1,675			Wood,	1,675	
*Bath house, ward two,	1,489			Wood,	1,489	
*Bath house. ward four, .	1,775			Wood,	1,775	
*Bath house, ward six. .	1,275			Wood,	1,275	
Bridge Street School, .	25,000	14,279	3,570	Brick,	28,570	8
City Farm, ...	30,000	3,412,200	7,830	Brick,	37,830	+
Carlton Street School, .	5,000	19,046	1,520	Brick,	6,520	2
City Hall, ...	274,000	45,000	180,000	Granite,	454,000	39
City yard buildings, . .	2,500	21,600	10,800	Wood,	13,300	
E. Dwight Street School,	16,000	21,780	5,880	Brick,	21,880	9
Elmwood School, . . .	48,800	35,310	4,020	Brick,	52,820	16
Elmwood Engine House,	10,500	14,298	1,720	Brick,	12,220	5
Elm Street School, . .	22,300	20,900	10,450	Brick,	32,750	15
Emerald Engine House,	7,000	12,000	3,000	Brick,	10,000	5
Hamilton Street School,	40,000	19,465	8,760	Brick,	48,760	12
Hig'land Gra'mar School,	99,000	94,960	17,090	Brick, Granite, Limestone	116 090	16
High School, ...	242,000	103,840	22,840	Brick, Granite, Limestone	264,840	60
Hillside Hospital, . . .	4,800	1,306,800	900	Brick,	5 700	8
High Street Engine House,	18,000	4,000	22,000	Brick,	40,000	9
Highland Engine House,	8,000	23,456	3,750	Brick,	11.750	6
Ingleside School, . . .	1,800	14,520	440	Brick,	2.240	1
Lyman Street School, .	9,000	10,160	3.560	Brick,	12,560	4
Mt. Tom Engine House,	9,500	4,466	5,580	Brick,	15,080	5
Nonotuck Street School,	22,000	29,176	5,250	Brick,	27,250	12
No. Chestnut St. School,	9,000	12,000	3,000	Brick,	12,000	8
Park Street School, . .	16,000	24,315	14,600	Brick,	30,600	8
Relief Engine House, .	20,000	5,500	4,400	Brick,	24.400	7
Sargeant Street School,	12,000	23,600	8,970	Brick,	20,970	8
School Street School, .	2,400	13.000	1,820	Brick.	4.220	2
So. Chestnut St. School,	19,000	26,840	8,050	Brick,	27.050	11
Springdale School (new),	25,000	30,000	2,320	Brick,	27.320	
Springdale School (old),	4,400	20.865	1,460	Wood,	5.860	2
Springdale hose house, .	1,500	4,771	310	Wood,	1,810	3
West Street School, . .	80,000	40,000	14,000	Brick,	94,000	16
West Holyoke School, .	800	8,167	100	Wood,	900	1
Workshop, Elm Street, .	1,000	5,900	2,500	Brick,	3.500	
Sewer land, ...		87,591	10,510		10.510	
Gravel pit, ...		217.800	1,600		1,600	
Sewer land, Highlands,		6,825	150		150	
	$1,113,514	5,786,997	$411,150		$1,524,664	

* Built on leased land.

† 2 Hospital Wards; 6 Rooms; 6 Dormitories; 32 Sleeping Rooms; 2 Reception Rooms.

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TWENTY-EIGHTH

ANNUAL REPORT

OF THE

OVERSEERS OF THE POOR

OF THE

CITY OF HOLYOKE,

FOR THE YEAR ENDING NOVEMBER 30, 1902.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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REPORT OF THE
OVERSEERS of the POOR.

To the Honorable the Mayor and Board of Aldermen of the City of Holyoke.

In accordance with the charter and revised ordinance of the City, the Overseers of the Poor respectfully submit their twenty-eighth annual report, it being for the fiscal year ending November 30, 1902.

OUT-DOOR RELIEF.

The number of persons aided during the year was 2,428, representing 607 families, at an expense of $19,989.43.

This Department also furnished burial for 68 bodies, at an expense of $747.00.

The total expense for the year, for all classes of partial and full support, has been as follows:

City out-door poor,	$11,468.57	
City sick at hospitals,	2,140.20	
City burials,	340.00	
		$13,948.77
State out-door poor,	$1,565.87	
State sick at hospitals,	866.32	
State burials,	329.00	
		2,761.19
Cities and towns, out-door poor,	$1,510.90	
Cities and towns, sick at hospitals,	297.00	
Cities and towns, burials,	78.00	
		1,885.90
Insane, outside of City Farm,		6,196.77
Overseers of the Poor,		1,393.57
City Farm,		19,612.23
Making a total of		$45,798.43

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RECEIPTS.

Balance from the year 1901,	$416.64	
Appropriation,	40,000.00	
Receipts from all sources,	7,423.80	
		$47,840.44
Total expense,		45,798.43
Balance unexpended,		$2,042.01

Following is a detailed statement of expenses outside of the City Farm.

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DETAILED STATEMENT OF EXPENSES OUTSIDE OF CITY FARM FOR THE YEAR 1902.

Month	Groceries	Fuel	Cash and Rent	Medicine	Shoes and Clothing	Cities and Towns	Insane	Freight and Transportation	Telephone and Overseers of the Poor	Hacks and Burials	House of Providence	City Hospital	Board of Children at Sisters	Office Supplies and Clerk	Other Institutions	Totals
Dec.	$988.70	$103.00	$37.50	$32.10	$19.08		$1,533 64	$2.78	$27.01	$78.50	$191.86	$36.42	$24.15	$64.40	$42.71	$3,181.85
Jan.	1,045.00	124.50	43 50	87.40	31.80			21.59	26.72	72.98	224 58	25.91	46 00	72.50		1,822 48
Feb.	1,043.12	95.50	29.50	62.15	14.65	$59 55	72.55	4.14	93.42	87.00	205.58	178 29	34.00	66 90	23.63	2,069.08
March	1,228 54	64.00	45.50	63 05	30.75	24.00	1,622.84	16 42	23 70	105.50	258 29	86.97	35.25	68.50	74.28	3,737 59
April	948.44	17.00	37.50	134.40	45 45		36.00	17.98	28.22	81.10	233.57		32 00	64.78	5.43	1,681 87
May	856.31	17.00	31.50	40.20	10.95			23.21	30 90	82.00	215.72	82.00	36.60	57.30		1,483.69
June	807.00	6.00	58 00	84.85		7.00	1,507.45	10.19	23 68	47.50	266.60		63.25	60 00	138.82	3,080.34
July	471.00	3.00	35 50	32 41	5.00	151 50		147.51	40 90	82.85	227 16	67.00	35.25	51.50		1,350.58
Aug.	985.00	9.00	27.50	174.86	8.45	12 00	36.40	96.62	43.83	64.47	274 28		32.00	51.30		1,815.71
Sept.	865.50	3 00	22.00	64.10	13.50	48.00	1,387.89	28.18	32.67	55.00	174.29	104.00	39.85	123.25	170.85	2,132.08
Oct.	769.00	8.00	26 50	92.50	12 00	37.00		28.14	32.05	67.08	149.14	40.00	38.00	53 50		1,352 91
Nov.	768.70	15.00	18.50	49.85	3.25	18.00		17.55	43 51	30 00	221.57	41.29	57.50	193.30		1,478.02
	$10,776 31	$465.00	$413.00	$917.87	$194 88	$357.05	$6,196.77	$414.31	$446.61	$853 98	$2,642.64	$661.88	$473 85	$926.33	$455.72	$26,186 20

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SICK POOR.

The expense at the hospitals for the care and board of the sick poor was $3,304.52.

The item of medicine for patients at home and attended by the City Physician was $917.87.

INSANE.

There were nine patients committed to the Northampton Insane Hospital and nine deaths and discharges.

There were also nine patients transferred to the City Farm and three to the Massachusetts Hospital for Epileptics.

Number of patients, December 1, 1901,	42	
Number admitted during the year,	9	
Number in other institutions,	4	
	—	55
Number discharged, including deaths,		21
		—
Number remaining, November 30, 1902,		34
The cost of maintaining the insane for the year was		$6,196.77
The amount refunded for the care of the insane was		284.60
Making a net expense of		$5,912.17

CHILDREN.

This Department has provided for 13 orphans at an expense of $473.85, divided as follows:

Sisters' institutions,	$447.70
Boarded in private families,	26.15
Making a total of	$473.85

CITY FARM.

In our reports of the last few years we have called attention to the necessity of a hall or chapel in connection with the City Farm institution. This, as yet, has not been provided, and we

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would again urge the necessity of filling this long-felt want. We trust during the coming year our institution will be provided with a suitable hall or chapel.

The number of inmates cared for during the year was as follows:

Number, December 1, 1901,	140	
Number admitted during the year,	105	
		245
Number discharged and died,		107
Number remaining November 30, 1902,		138

HOSPITAL DEPARTMENT.

The total number of patients receiving hospital treatment during the year was as follows:

Males,	85	
Females,	69	
		154

Of the above, 65 were sent to the hospital direct; the remainder were inmates of the institution.

The duration of hospital treatment of the above aggregated 2,353 weeks, or about 15 weeks and 2 days average for each patient.

Following is a detailed statement of expenses at the City Farm:

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DETAILED STATEMENT OF EXPENSES AT CITY FARM FOR THE YEAR 1902.

Month.	Groceries.	Meat and Fish.	Trees, Feed and Tobacco.	Shoes, Clothing, Dry Goods.	House Goods and Furniture.	Painting and Plumbing.	Hardware and Lumber.	Medicine and Whiskey for Hospital.	Salaries.	Disinfectants and Oil.	Supplies, Shoeing, Repairing	Professional services, Stationery, Telephone	Wagon, Horse, Medical Attendance on Horses.	Wood and Sawdust.	Totals.
Dec.	$402.79	$268.20	$74.70	$67.75	$39.80	..	$9.29	$64.72	$506 51	$52.10	$17.08	$50.40	..	..	$1,552.84
Jan.	496 09	185.69	41.10	225.66	54 70	..	36.72	148 45	529.00	5.50	16 48	6.42	..	..	1,745 81
Feb.	336.85	274.31	33.70	32.60	38.25	..	2.20	52.22	529.00	5.50	16.60	15.75	..	..	1,336.98
March	347.87	241.05	89.61	48.78	44.50	..	27.08	74.52	529.09	40.25	16 60	51.00	$100.00	..	1,610.26
April	423.18	203.98	166.18	43 05	3 36	..	6.70	145.11	529.00	..	39.95	5.48	10.00	$321.00	1,396.99
May	332 01	284.28	76.26	44.78	10.73	$19.10	10.95	28.50	517.91	20.50	49.90	4.59	..	..	1,399.42
June	316.72	320 72	60 75	150.38	79.25	2.30	35.45	102.50	558.25	57.69	42.40	51.68	..	..	1,758 64
July	319.65	333.95	113.25	25.87	61.58	42.60	36.09	25.83	563.00	..	51.20	3.00	..	..	1,576.02
August	354.75	338.44	61.75	181.53	25.71	2.70	18.18	167.10	563.00	45.35	16.75	6.50	..	..	1,781.76
Sept.	317 59	274.67	89.74	25.84	21.50	46 70	8.04	87.25	559.00	3.50	6.50	52.50	..	..	1 502 86
Oct.	381.28	249 69	67.13	25.00	11.60	17.55	12.48	27.73	553.75	50.50	15.25	3.00	..	..	1,414.96
Nov.	338 84	268.96	26.80	108.90	50.85	6 00	16.35	117.24	544.00	10.75	14 60	..	160.40	352.00	2,015 69
	$4,367 62	$3,243 94	$900 97	$980.14	$441 33	$136.95	$219 53	$1,041.20	$6,492.02	$291.64	$303.31	$250.18	$270 40	$673.00	$19,612.23

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RECAPITULATION.

Out-door poor, City,	$13,948.77	
Insane outside of City Farm,	6,196.77	
Overseers of the Poor,	1,393.57	
State,	2,761.19	
Cities and Towns,	1,885.90	
City Farm,	19,612.23	
		$45,798.43

CR.

By amount charged to State,	$2,761.19	
By amount charged to Cities and Towns,	1,885.90	
By visits of City Physician, State,	138.00	
By visits of City Physician, cities and towns,	176.00	
By cash from State,	496.30	
By cash from cities and towns,	555.22	
By reimbursement from insane,	284.60	
By cash received from farm produce,	343.92	
By cash received from board of individuals,	155.39	
By hack fees to hospitals,	42.00	
By cash received from sale of land,	200.00	
		7,038.52
Net expense to the City for the year 1902,		$38,759.91

The expense based upon the recent census is eighty cents per capita.

Respectfully submitted,
A. F. GINGRAS,
RICHARD GILDAY,
JAMES DURNIN.
Overseers of the Poor.
J. T. CUNNINGHAM,
City Almoner.

December 19th, 1902.

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ANNUAL REPORT

OF THE

CITY AUDITOR

OF THE

CITY OF HOLYOKE,

For the Fiscal Year Ending November 30, 1902.

HOLYOKE, MASS.
TRANSCRIPT PUBLISHING CO.
1903

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REPORT OF
CITY AUDITOR.

SCHEDULE OF EXPENDITURES

FROM DECEMBER 1, 1901, TO NOVEMBER 30, 1902.

ACCOUNTS.	Total Apps., Receipts and Transfers.	Transfers from Depts.	Expenditures.	Balance Unexpended.
Alleys	$ 19,038 35	.....	$ 19,038 35	.....
Assessors' Department	2,705.05	.....	2,577.45	$ 127 60
Board of Health	9,832.31	.....	9,829.19	3.12
City Engineering	4,200.00	.....	4,199.86	.14
City Hall Fund	2,654.73	.....	2,246.91	407.82
City Property	18,904.72	.....	18,021 89	882.83
Contingent	32,315.82	$ 7,780 24	24,518.68	16 90
Corporation Tax	59,653.01	57,254.19	280.20	2,118 62
Elmwood, Oakdale and Springdale Sewer Assessments	55.24	55.24	.....	.....
Fire Department	70,709.09	.....	70,435.32	273.77
Fuel and Street Lights	55,048 00	2,000.00	50.704.70	2 343.30
Highways and Bridges	41,999.31	.....	35 540.46	6,458.85
Interest	139,697.75	44,709 55	94,988.20	.....
License Fund	71,472.00	53,967.00	17,505.00	.....
Military Aid	488.00	.....	488.00	.....
National Bank Tax	15,599.17	.....	15,599 17	.....
Parks	8,007.54	.....	7,892.58	114.96
Pauper	47,840.44	.....	45.798.43	2,042 01
Police	50,414.29	.....	50,400 77	13.52
Public Library	10,000.00	.....	10,000.00	.....
Public Works Contingent	701.19	.....	682.54	18.65
Salaries	34,000.00	488.33	33,511.67	.....
Sewers and Drains	9.973 63	1,500.00	8,248 22	185.41
Schools	176,900.86	.....	171,701.78	5,199.08
Sidewalks	17,489.75	1,000 00	16.176 25	263.50
Soldiers' Relief	470 51	.....	470 51	.....
Street Watering	9,000.00	500.00	8,488.16	11.84
State Aid	2,670.00	155.00	2,515.00	.....
Sinking Fund	60,000.00	*60,000.00	.....	.....
Whiting Street Fund	2,204.50	.....	1,305.72	898.78
Overlayings	25,743 53	13,396.60	123 50	12,223 43
Municipal Lighting	39.540.82	.....	31,967 86	7,572.96
Lyman Mills	1,290.89	.....	1,290 89	.....
Highland School	1,655 89	.....	1,655 89	.....
School Bonds, 1901	7,500 00	.....	7,500 00	.....
Ward One Bath House	1,600.00	.....	1,600.00	.....
Ward Four Bath House	1,600.00	.....	1.600.00	.....
High School and Site	6,493.04	265.84	6,227.20	.....
Water Rent	11,000.00	.....	10.231.26	768.74
Highways, Permanent Work	40,316.44	.....	40,316.44	.....
Main Street Bridge	11,569.43	.....	11,569 43	.....
State Tax	20,325.00	.....	20,325.00	.....
County Tax	39,581.29	.....	39,581 29	.....
Non-Resident Bank Tax	15,417.92	15,417.92	.....	.....
	$1,197,629.51	$258,489.91	$897,193.77 258,489 91 41,945 83	$41,945.83
	$1,197,629.51		$1,197,629.51	

*Transferred to Sinking Fund Commission for investment.

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CONTINGENT ACCOUNT EXPENDITURES ITEMIZED.

William H. Brooks, counsel fees, Lyman Mills case,	$1,500.00
A. F. Knight, expert services, " " "	34.43
Arthur Lord, commissioner, fees, " " "	163.25
A. L. Green, counsel fees, Municipal Lighting case,	1,009.04
Nathan Matthews, Jr., counsel fees, Municipal Lighting case,	1,000.00
Kilpatrick Post, G. A. R., appropriations,	575.00
C. J. Bresnahan, claim, damages,	15.00
C. T. Callahan, Atty., claim, damages, Losty vs City,	400.00
C. T. Callahan, Atty., claim, damages, Fitzgibbon vs City,	75.00
S. Davis & Son, claim, damages,	100.00
R. O. Dwight, Atty., claim, costs, J. C. Keough et als,	25.98
David Mahaffy, claim, damages,	40.00
T. D. O'Brien, Atty., claim, damages, O'Connor vs City,	704.49
T. D. O'Brien, Atty., claim, damages, Buckley vs City,	300.00
Frank Cahill, burial agent, burial of veterans,	140.00
W. F. Salisbury, " " " "	105.00
P. H. Sheehan, legal services,	47.00
R. F. Stapleton, " "	25.00
N. P. Avery, litigation expenses,	488.11
Elizabeth M. Reardon, auditor's assistant, salary,	480.00
Arthur B. Chapin, traveling expenses,	53.17
D. W. Kenney, " "	12.31
Alberto reward (on hand in treasurer's office),	500.00
Pierre Bonvouloir, traveling expenses, postage, express, etc.,	38.38
Henry A. Chase, postmaster, postage,	107.00
T. F. McCabe, postage,	206.80
W. T. Walsh, express and postage,	22.50
Frederick Kilian, postage,	3.94
H. C. Cady Printing Co., printing,	89.75
M. J. Doyle Printing Co., "	1,317.72

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Griffith, Axtell & Cady, printing,	$7.50
Henry M. Meek Publishing Co., printing,	2.00
Transcript Publishing Co., printing,	829.50
Transcript Publishing Co., advertising,	205.94
Free Press, advertising,	146.75
German American Printing Co., advertising,	89.00
La Presse, advertising,	101.95
Telegram Publishing Co., advertising,	169.37
Boston Daily Advertiser, advertising,	23.00
John J. Ahern, care of polling place (school house),	30.00
John Moriarty, " " " "	5.00
James France, " " " "	15.00
G. P. B. & C. E. Alderman, rent, polling place,	105.00
G. H. Barlow, rent, polling place,	20.00
Building Trades Council, rent, polling place,	10.00
W. T. Dean, treasurer, " " "	80.00
Foresters Building Assn., " " "	20.00
Patrick Green, " " "	45.00
Holyoke Machine Co., " " "	55.00
E. H. Howland, " " "	50.00
T. W. Mann, " " "	45.00
T. Raymond, " " "	15.00
St. Jerome T. A. B. Society, " " "	50.00
St. John Baptist Assn., " " "	85.00
F. A. Winkler, " " "	15.00
Joseph A. O'Donnell, " " "	50.00
Joseph A. O'Donnell, hack hire,	12.00
John Ahern, " "	8.00
A. L. Codaire & Co., " "	4.00
John Dillon, " "	4.00
P. J. Griffin, " "	30.00
P. J. Griffin, damage to horse and team,	43.40
Casper Ranger, setting up polling booths, etc.,	9.40
Casper Ranger, witness fees,	20.00
Mark Wood, " "	10.00
George H. Allyn, " "	7.50

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Joseph Allen, witness fees,	$5.00
Eli I. Brockett, " "	5.00
M. E. Cummings, " "	25.00
Dr. L. H. Clark, " "	40.00
J. G. Deardon, " "	8.00
Ellsworth & Kirkpatrick, witness fees,	130.40
E. A. Ellsworth, witness fees,	25.00
W. E. McClintock, " "	78.78
Edward T. McHugh, " "	45.00
S. T. Miller, " "	8.00
J. H. O'Connell, " "	10.00
Dr. G. C. Roberts, " "	100.27
Richards and Goddard, " "	25.00
Dr. Ralph H. Seelye, " "	50.00
Morgan, Crossman & Co., rubber stamps,	5.60
George H. Hill, rubber stamps,	12.50
M. J. Laporte, witness fees,	8.00
M. J. Laporte, cartage, freight, team hire,	361.95
Ware's Typewriter Agency, ribbon,	1.00
F. S. Webster Co., ribbon,	2.25
E. M. Dickinson, pens,	.90
Treworgy Ink Manufacturing Co., pens,	1.00
R. R. Nickerson, stationery,	7.00
Fitzgerald & Co., "	46.25
Connor Bros., "	15.75
Eureka Ruling & Binding, blank books,	19.50
Hobbs & Warren Co., " "	3.00
A. E. Martell & Co., " "	22.00
Charles S. Binner Co., " "	8.00
Holyoke Job Book Binding, book binding,	2.00
National Blank Book Co., " "	5.50
Springfield Printing and Binding Co., book binding,	18.00
M. A. Allen & Son, lamps and oil,	2.24
Edward F. Kirschbaum, telephone index,	2.00
Adams, Cushing & Foster, index,	2.00
American Writing Paper Co., deed of land,	50.00

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Baker-Vawter Co., binders,	$6.00
E. C. Clark & Co., premium on surety bond,	75.50
Joseph D. Goddu, premium on surety bond,	$200.00
Ely Lumber Co., box,	1.57
Frederick S. Fuller, expert auditor's fees,	326.87
J. C. Lutz, lithographing check and bond books,	80.00
Investor Publishing Co., subscription,	4.75
Holyoke Water Power Co., gas, polling places,	2.21
Mrs. Jane Hamilton, nursing,	15.00
Holyoke Ice Co., Ice,	23.28
Highland Manufacturing Co., pads,	2.52
Ella G. Fogarty, typewriting,	.75
Miss M. A. Lee, "	2.00
Dr. John J. Moynahan, inspecting meat,	10.00
Maurice Moynahan, repairing ballot boxes,	8.75
E. A. McMillan, document bands,	3.50
New England Tel. & Tel. Co., tolls,	37.47
New England Towel Supply, laundry,	17.50
V. J. O'Donnell, deputy sheriff's fees,	6.24
Walter D. Phelps, Weekly Guide,	.85
Parsons Paper Co., paper,	4.83
Price Lee & Co., directories,	16.50
G. E. Russell & Co., eyelets, fasteners, etc.,	2.40
Sullivan & Carmody, use of stoves, etc., at caucuses,	18.84
John Tilley & Co., use of tables at caucuses,	14.25
James Thompson, soap,	1.00
John H. Woods, photos,	18.00
John F. Sheehan, recording births, marriages and deaths,	1,126.60
John F. Sheehan, pens, express, etc.,	5.05
Carl Straus, pencil sharpener,	7.00

EXPENDITURES ON ACCOUNT OF SMALL POX.

A. D. Durocher, provisions,	$550.29
Minnie Goss, "	75.86
Louis Cloutier, "	105.71

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Frank Demers, provisions,	$171.28
Joseph H. Beauchamp, provisions,	294.02
H. L. Mousett & Co., "	322.82
J. H. Fitzsimmons, "	2.36
J. B. Archambeault, "	3.34
R. W. Sanderson, "	5.57
Roy & Desnoyers, "	124.70
P. Bonvouloir & Co., "	344.90
Cornelius Hurley, "	61.38
D. M. Foley, "	139.79
George Gamache, "	10.02
Perreault & Co., "	35.08
Pierre Caisse, "	58.00
N. Mercure, "	90.92
William O'Connell, "	46.84
A. N. Chaput, "	217.22
J. A. Campagna, "	172.21
Max Abramson, "	150.40
J. J. Hurley, "	85.41
M. J. Moriarty, "	163.33
E. M. Curran, "	97.46
Belanger & Labreque, "	98.61
Edmond Ally, "	118.71
E. L. Lyman, "	199.87
Leon Lepage, "	1.96
Alcide Perrault, "	170.12
S. J. Hobbs, team hire,	27.00
M. J. Laporte, "	188.25
H. H. Carter, "	3.00
Bibeau, Massee & Co., fuel,	30.40
William B. Whiting & Co., "	10.75
Frank Menard, "	73.75
P. J. Griffin, "	94.30
City Coal Co., "	3.90
Livermore & Martin, furniture,	31.55
Collins & Murray, "	26.00

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P. H. Smith, milk,	$2.00
L. Person, "	1.00
Louis Blackmer, "	13.80
A. Paul, "	1.65
Cornelius Haley, "	54.53
Henry Lorenz, "	1.08
Achille Turgeon, "	44.10
Henry Proulx, shoes,	3.00
Anthony McLean, Estate, shoes,	12.70
D. E. Sullivan, "	25.55
Gilligan Shoe Co., "	27.00
Charles U. Roy, "	1.95
L. J. Rigali, fruit,	3.74
Telegram Publishing Co., advertising,	.35
Transcript Publishing Co., "	.44
Transcript Publishing Co., printing,	23.50
M. J. Doyle Printing Co., "	6.00
A. W. Geary & Son, repairing wagon,	3.90
Sullivan & Carmody, kitchen utensils,	11.30
G. J. Prew, clothing,	26.55
A. E. Steiger & Co., clothing,	222.93
Naumkeag Clothing Co., "	222.34
M. A. Allen & Son., crockery,	12.67
G. E. Russell & Co., side light,	2.25
Hobbs & Warren Co., blanks and postage,	1.12
Misses Curran, sewing flags,	1.00
Mrs. Nathan Friedrich, eggs,	38.95
Webster & Whitney, flour,	1.50
Mrs. Cray, clothing and board,	46.55
A. F. Glesman, vaccination points,	30.00
Curran Bros., medicine,	.75
W. F. Grady & Co., medicine,	.50
Cleveland's Pharmacy, "	17.30
W. C. Cowan, "	.65
A. S. Menard, "	12.50
C. E. Ball Drug Co., "	295.44

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A. E. Sunter, medicine,	$1.45
Hamilton Pharmacy, medicine,	5.05
Riverside Pharmacy, "	2.50
A. R. Vincent, "	130.01
John Heinritz & Son, "	10.88
John B. Beauvais, "	10.20
Elmwood Pharmacy, "	1.00
Dr. E. J. Mahoney, professional services,	49.50
Dr. G. H. Smith, " "	87.25
Dr. F. A. Woods, " "	72.25
Dr. A. B. Wetherell, " "	41.75
Dr. St. Georges, " "	59.25
Dr. J. J. McCabe, " "	160.25
Dr. M. J. McIntee, " "	101.75
Dr. E. J. Tierney, " "	5.00
Dr. P. E. Hurley, " "	50.00
Dr. G. H. Clark, " "	45.00
Drs. Eaton & Robert, " "	20.25
Dr. J. E. Brindamour, " "	96.25
Dr. F. F. Celce, " "	67.50
Dr. J. P. Shine, " "	791.75
Dr. Donoghue, " "	115.00
Dr. O. J. Comtois, " "	5.00
Frank L. Avery, labor,	57.12
Pay Rolls,	1,168.00

BIRTHS REPORTED.

Dr. Carl A. Allan,	$4.75
Dr. J. L. Bliss,	3.50
Dr. Joseph Brindamour,	24.25
Dr. Frank F. Celce,	13.50
Dr. Jean Celce,	6.25
Dr. Henry Chaput,	14.50
Dr. George H. Clark,	1.75
Dr. Louis Clark,	3.75

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Dr. F. J. Cloutier,	$26.75
Dr. Gardner Cox,	15.75
Dr. C. H. Curran,	13.50
Dr. O. J. Comtois,	6.50
Dr. E. M. Davis,	2.50
Dr. Josephine de la Neuville,	4.00
Dr. Joseph H. Dixon,	2.50
Dr. D. F. Donoghue,	15.00
Dr. J. A. Donner,	1.50
Dr. Richard Eaton,	.75
Dr. Thomas F. Godfrey,	.50
Dr. Walter Hamilton,	1.25
Dr. J. C. Hubbard,	9.00
Dr. Alice E. Hunt,	2.00
Dr. George E. Hunt,	2.75
Dr. P. J. Hurley,	1.25
Dr. George Kinne,	32.75
Dr. Joseph Laurion,	7.25
Dr. Jas. O. Lacaillade,	4.75
Dr. E. J. Mahoney,	16.25
Dr. S. A. Mahoney,	9.00
Dr. J. A. Marin,	32.50
Dr. J. J. McCabe,	4.00
Dr. J. J. O'Connor,	7.25
Dr. Francis Patoel,	2.75
Dr. C. M. Pomérat,	7.00
Dr. George C. Robert,	8.75
Dr. Albert Robert,	1.25
Dr. H. R. Sackett,	3.00
Dr. W. M. St. Georges,	.75
Dr. J. P. Shine,	2.00
Dr. George H. Smith,	2.50
Dr. E. L. Taylor,	.75
Dr. Edward H. Tierney,	4.75
Dr. C. H. Turner,	6.00
Dr. A. B. Witherell,	1.75
Dr. F. A. Woods,	1.25

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Dr. A. Franze,	$4.50
Emilie Kuhn,	13.25
Mrs. R. Wruck,	13.50
Mrs. William Kelly,	3.75
Albert C. Cobb (Southampton),	.75
W. Beauchamp,	.25
O. C. Gelimais,	.25
Mrs. R. Burke,	.25
Mary C. Martin,	.25

DEATHS REPORTED.

John Dillon,	$45.50
T. F. Ryan,	32.00
James P. Hobart,	18.75
C. F. Alger,	23.75
Wells Lathrop,	20.00
A. F. Gingras,	28.50
Joseph Dumont,	23.25
A. L. Coderre,	20.50
F. J. Shea,	9.00
Malloy & O'Donnell,	.75
V. E. Mitchell (Easthampton),	.75
John J. Gleason (Springfield),	.25
I. Gordan,	.50
J. H. Clune (Springfield),	.50
Sampson & Sweeney (Springfield),	.75
James J. Hafey (Chicopee),	.75
D. F. Barry (Chicopee),	.50
T. F. Kelly (Easthampton),	.25
Patrick Brosnahan (654 High street),	.25

Expenditures,	$24,518.68
Transfer to Board of Health,	4,180.24
Transfer to Ward 1 Bath House,	1,600.00

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Transfer to Ward 4 Bath House, . .	$1,600.00	
Parks, ...	400.00	
Balance, ...	16.90	
Total expenditures, transfers and balance,		$32,315.82

SALARY ACCOUNT ITEMIZED.

Arthur B. Chapin, Mayor, . .	$1,500.00
John F. Sheehan, City Clerk, . .	1,600.00
Pierre Bonvouloir, City Treasurer, .	2,600.00
D. W. Kenney, City Auditor, . .	1,600.00
Thomas F. McCabe, Tax Collector, .	3,500.00
William T. Walsh, City Messenger, .	1,299.99
Dr. Geo. C. Robert, City Physician, .	154.90
Dr. Joseph C. Marin, City Physician, .	745.10
Nathan P. Avery, City Solicitor, .	900.00
Hector Mondor, Sealer Weights and Measures, ...	100.00
A. J. Rand, Caretaker City Hall Clock,	50.00
James K. Morrill, Inspector Milk, etc.,	300.00
John F. Sheehan, Registrar of voters,	200.00
Timothy J. O'Connor, Registrar of voters, ...	200.00
Thomas Stansfield, Registrar of voters,	200.00
Charles U. Roy, Registrar of voters, .	200.00
George L. Goodyear, Inspector of provisions, etc., ...	300.00
Casper Ranger, Chairman, License Commission, ...	350.00
Dr. C. H. Curran, License Commissioner,	150.00
Dwight H. Ives, License Commissioner,	300.00
Michael J. Bowler, License Commissioner, ...	150.00
John C. Doran, Clerk of Committees, .	150.00
Joseph St. Martin, Chairman, Board of Assessors, ...	1,300.00

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Joseph J. Kelley, Assessor,	$1,200.00	
Dwight O. Judd, Assessor,	1,200.00	
James T. Cunningham, City Almoner,	1,000.00	
James Durnin, Overseer of poor,	50.00	
A. F. Gingras, Overseer of poor,	50.00	
Richard Gilday, Overseer and clerk,	100.00	
Dr. A. B. Wetherell, Member Board of Health,	150.00	
Dr. Frank A. Woods, Member Board of Health,	150.00	
Jeremiah J. Linehan, Member Board of Health,	150.00	
Elizabeth G. Shea, Clerk Board of Health,	462.68	
Michael F. Walsh, Member Board of Public Works,	1,000.00	
Gilbert Potvin, Jr., Member Board of Public Works,	1,000.00	
Oren D. Allyn, Member Board of Public Works,	1,000.00	
Henry Winkler, Supt. of Streets,	1,700.00	
Jeremiah Scannell, City Hall Janitor,	819.00	
Frederick Kilian, Clerk Board of License Commission,	250.00	
Fred H. Gilpatrick, Inspector of buildings,	1,200.00	
Precinct Officers,	1,680.00	
James L. Tighe, City Engineer,	2,500.00	
Expenditures,		$33,511.67
Transfers,		488.33
Total expenditures and transfers,		$34,000.00

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TAXES.

TAXES—1898.

Thomas F. McCabe, in Account with City of Holyoke.

1901.		1902.	
Dec. 1.—Balance due,	$298.77	Nov. 30.—Abatements,	$19 28
		Balance,	279.49
	$298.77		$298.77

TAXES—1899.

Thomas F. McCabe, in Account with City of Holyoke.

1901.		1902.	
Dec. 1.—Balance due,	$952.10	Nov. 30.—By Cash to date,	$349.66
Interest,	51.96	Interest Collected,	51.96
		Abatements,	174.68
		To Balance,	427.76
	$1,004.06		$1,004.06

TAXES—1900.

Thomas F. McCabe, in account with City of Holyoke.

1901.		1902.	
Dec. 1.—Balance due,	$33,525.35	Nov. 30—Cash to date,	$27,778.38
Interest,	2,840.06	Interest collected,	2,840.06
		Abatements,	4,906.50
		To Balance,	840.47
	$36,365.41		$36,365.41

TAXES—1901.

Thomas F. McCabe, in Account with City of Holyoke.

1901.		1902.	
Dec. 1.—Balance due,	$121,666.50	Nov. 30.—By Cash to date,	$90,576.95
Dec. 19.—Additional Assessment,	384.38	Interest Collected,	2,842.64
		Abatements,	5,655.66
	$122,050.88	To Balance,	25,818.27
Interest,	2,842.64		
	$124,893.52		$124,893.52

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TAXES—1902.

Thomas F. McCabe, in Account with City of Holyoke.

1902.		1902.	
Nov. 30.—Total Taxes Assessed,	$693,975.12	Nov. 30.—By Cash to date,	$585,338.25
Interest,	52.63	Abatements,	2,640.48
		Interest Collected,	52.63
		To Balance,	105,996.39
	$694,027.75		$694,027.75

SUMMARY UNCOLLECTED TAXES.

For 1898,	$279.49
For 1899,	427.76
For 1900,	840.47
For 1901,	25,818.27
For 1902,	105,996.39
Total Taxes due,	$133,362.38

SIDEWALK AND SEWER ASSESSMENTS.

Pierre Bonvouloir, City Treasurer. Sidewalk Assessment, 1900.

1901.		1902.	
Dec. 1.—Balance Due,	$857.49	Sept. 22.—By Cash to Date,	$589.44
		Abatements,	33.12
		To Balance,	234.93
	$857.49		$857.49

Pierre Bonvouloir, City Treasurer. Sidewalk Assessment, 1901.

1901.		1902.	
Dec. 1.—Balance Due,	$2,954.60	Nov. 30.—By Cash to Date,	$2,507.19
		Abatements,	220.08
		To Balance,	227.33
	$2,954.60		$2,954.60

Pierre Bonvouloir, City Treasurer. Sewer Assessment, 1902.

1902.		1902.	
May 20.—Amount Assessed,	$3,504.36	Nov. 29.—By Cash to Date.	$1,043.04
		Abatements,	1,088.77
		To Balance,	1,372.55
	$3,504.36		$3,504.36

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Pierre Bonvouloir, City Treasurer. Sidewalk Assessment, 1902.

1902.		1902.	
Nov. 18.—Amount Assessed,	$5,316.32	Nov. 29.—By Cash to Date,	$2,899.49
		Abatements,	145.91
		To Balance,	2,270.92
	$5,316.32		$5,316.32

SUMMARY.

Outstanding Sidewalk Assessments, 1900,	$234.93
" " " 1901,	227.33
" " " 1902,	2,270.92
" Sewer " 1902,	1,372.55
Total Assessments Outstanding,	$4,105.73

CITY INDEBTEDNESS.

CITY DEBT NOT EXEMPTED.

Bonds, 10 years	4 per cent, Municipal,		Due July 1, 1904,	$190,000.00
" 10 "	4 " "	"	" April 1, 1905,	150,000.00
" 10 "	4 " "	"	" July 1, 1906,	125,000.00
" 10 "	4 " "	"	" June 1, 1907,	150,000.00
" 10 "	4 " "	"	" Dec. 1, 1907,	16,000.00
" 10 "	4 " "	"	" Oct. 1, 1908,	90,000.00
" 10 "	4 " "	" (Fire Dept),	" May 1, 1909,	7,000.00
" 10 "	3½ " "	" (Litigation),	" July 1, 1909,	30,000.00
" 20 "	3½ " "	School ($7,500 annually),	" May 1, 1901-20,	135,000.00
" 10 "	3½ " "	Municipal ($7,000 annually),	" June 1, 1902-12,	70,000.00
Total Unexempted Debt,				$963,000.00

EXEMPTED DEBT.**

Bonds, 20 years	4 per cent	H. and W. R. R. Stock,	Due Oct. 1, 1910,	$166,000.00
" 20 "	4 "	H. and S. H. Falls Bridge,	" Sept. 1, 1911,	85,000.00
" 20 "	4 "	Sewer,	" May 1, 1913,	50,000.00
" 20 "	4 "	H. and W. R. R. Stock,	" July 1, 1913,	60,000.00
" 20 "	4 "	Sewer,	" Oct. 1, 1913,	100,000.00
" 20 "	4 "	H. and W. Bridge,	" June 14, 1914,	105,000.00
" 20 "	4 "	School,	" June 1, 1915,	150,000.00
" 20 "	4 "	"	" July 1, 1916,	160,000.00
" 20 "	4 "	"	" Mch. 1, 1917,	109,000.00
" 30 "	4 "	Water,	" Jan. 1, 1927,	250,000.00
" 30 "	4 "	"	" July 1, 1930,	50,000.00
Total Exempted Debt,				$1,225,000.00
Grand Total Debt,				$2,188,000.00

** Exempted by special Acts of the Legislature.

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SINKING FUNDS.

Sinking Fund, Water Bonds, Jan. 1, 1927,	$45,080.19	
" " " " July 1, 1930,	12,155.52	
" " City Debt,	269,288.82	
" " " " Exempted,	183,900.83	
Holyoke and Westfield R. R. Stock, par value,	226,500.00	
		736,925.36
Total Net Debt,		$1,451,074.64

ASSETS.

Water Works, assessed valuation,	$1,295,308.26	
All other City Buildings, Land and Parks, assessed valuation,	1,676,555.00	
		$2,971,863.26
Excess of assets beyond liabilities,		$1,520,788.62

LOANS.

Temporary Loans.

1902.		1901.	
Nov. 8.—Loans Paid,	$525,000.00	Dec. 1.—To Balance,	$150,000.00
		1902.	
Balance due,	125,000.00	Oct. 30.—Loans to date,	500,000.00
	$650,000.00		$650,000.00

MUNICIPAL BONDS.

TEN YEARS.

1902.		1902.	
June 2.—Transferred as follows:		June 2.—Loan,	$70,000.00
Highways, permanent work,	$40,000.00	" Premium,	721.70
Municipal Lighting,	18,984.93	" Interest,	121.10
Lyman Mills,	1,015.07		
Main Street Bridge,	5,000.00		
High School and Site,	5,000.00		
Interest,	121.10		
Main Street Bridge,	721.70		
	$70,842.80		$70,842.80

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CASH ACCOUNT.

1901.		1902.	
Dec. 1.—Cash on hand,	$39,044.75	Nov. 30.—Disbursements to date,	$1,482,249.01
1902.			
Nov. 30.—Receipts to date,	1,478,697.67	Nov. 30.—By Balance,	35,493.41
	$1,517,742.42		$1,517,742.42

ANNUAL NET DEBT STATEMENT.

The following table shows the net debt at the close of each fiscal year, beginning with 1892.

Year.	Net Debt.	Increase.	Decrease.
1892	$851,149	—	—
1893	1,029,852	$178,703	—
1894	1,190,079	160,227	—
1895	1,334,119	144,040	—
1896	1,474,184	140,065	—
1897	1,503,990	29,806	—
1898	1,603,990	100,000	—
1899	1,462,772	—	$141,218
1900	1,589,868	127,096	—
1901	1,494,929	—	94,939
1902	1,451,946	—	42,983

Total increase in debt during the past 11 years, . $600,797
Average annual increase, ... 54,618

During the year $70,000 was borrowed for permanent improvements, and there was $7,500 of the bonded indebtedness (school bonds) paid off.

Respectfully submitted,

D. W. KENNEY,

City Auditor.

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ASSESSORS' REPORT.

ASSESSORS' OFFICE,
HOLYOKE, MASS., Dec. 16, 1902.

To the Honorable, the Mayor and the Board of Aldermen.

GENTLEMEN:—In compliance with the City Ordinance, the Board of Assessors have the honor of submitting for your consideration the following report for the year ending December 1, 1902.

Appropriation,	$2,700.00
Balance unexpended from 1901,	5.05
	$2,705.05

EXPENDITURES.

Permanent assistant assessor, whole year,	$900.00	
Postage stamps,	10.00	
Team hire,	44.00	
Printing street lists, etc.,	649.25	
Field work assistance, May and June,	267.75	
Books, stationery, etc.,	47.18	
Clerk of Assessors,	300.00	
Advertising,	100.50	
Traveling expenses, Board of Assessors,	177.45	
Miscellaneous,	23.95	
Library bureau,	57.37	
		$2,577.45
Balance unexpended,		127.60
		$2,705.05

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TAX WARRANTS.

A state warrant as fixed by Chapter 536, Acts of 1902, to wit: One million five hundred thousand dollars,	$20,325.00
A county warrant for the proportion of the city of Holyoke of a county tax of $150,000. As per Chapter 48, Acts of 1902,	39,581.29
A city warrant for the taxes of the City of Holyoke for city purposes, as fixed by Section 35, Chapter 12, of the revised laws,	599,000.00
An overlay on above amounts,	15,341.07
Aggregate of warrants,	$674,247.36

POLLS.

The polls recorded for assessment before August 16, 1902, included in the estimate which determined the tax rate for the current year were, ... 11,210

Under the operation of the law providing for the supplementary assessment of omitted male persons, determined by the registrars of voters to be liable for assessment, under the Chapter 11, Section 19 of the revised laws, were added to the list, one hundred and eighty-one (181) polls, making the total of polls assessed 11,391.

VALUATION.

The valuation of the city as of May 1, 1902, determined by the assessors August first of that year, when the rate of taxation was fixed, is as follows:

Value of land,	$14,126,680.00
Value of buildings,	16,016,700.00
Total value of real estate,	$30,143,380.00

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PERSONAL PROPERTY.

Valuation of Personal Property other than Bank Stocks, separately assessed by the Assessors,		$10,114,450.00
Valuation of Shares in National Banks, located in Holyoke and taxable locally, . . .		481,380.00
Taxes were levied, all additions included:		
Real Estate, ...	$30,143,380.00	
Personal Property, . . .	10,114,450.00	
Banks, ...	481,380.00	
		$40,739,210.00

The valuation for 1902 of personal property is increased in addition to the amount given in the foregoing table by the value assessed by the Commonwealth upon shares of Massachusetts corporations, including also proportionate part of the Street Railway tax, measured as per sec. 37, Chap. 14, of the Revised Laws, all of which is the property of residents of the City of Holyoke—$5,240,440.

The valuation is further increased for bank stocks assessed at the several rates and places where banks are located, as the taxes are paid to Holyoke on this class of property held by its citizens in Massachusetts banks located outside the City of Holyoke—$197,690.00.

As the revenue from these two sources is always estimated before the amount to be raised by taxation is determined, the effect of valuation on this property in reducing the rate of taxation is nearly the same as though its amount was included in the Assessors' valuation assessed by them.

The increase in Real Estate Valuation over 1901 is	$484,770.00
The increase in Valuation in Personal Property, including Bank Stocks over 1901, is . .	302,510.00
Making a total increase in Valuation over 1901, .	$787,280.00

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EXEMPTED PROPERTY.

Property exempt from taxation under section 5, chapter 12, of the revised Laws, is as follows:

Benevolent and charitable,	$199,110.00
Houses of religious worship,	692,490.00
Literary and educational,	435,100.00
Temperance Societies,	34,700.00
Aggregate of exempted property,	$1,361,400.00

The valuation in stocks in Corporations and Banks, together with the valuation of exempted property, increases the total valuation of the City of Holyoke for 1902 to $47,538,740.00

The rate of taxation was made $16.00 per thousand of the valuation of real and personal property, subject to taxation under chapter 12 of the revised Laws, a decrease of 20 cents per thousand over 1901.

There was raised by direct taxation for 1902 $4,022.09 more than for 1901, for which warrants were received.

VALUATION OF THE CITY.

Real Estate,	$30,143,380.00
Personal Estate,	10,114,450.00
Banks,	481,380.00
	$40,739,210.00

STATISTICS.

Property Polls,	Number of	1,803
Single Polls,	" "	9,407
Supplementary Polls,	" "	181
Property Owners,	" "	3,498
Horses,	" "	1,436
Cows,	" "	457
Neat Cattle,	" "	110

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Swine,	Number of	49
Fowls,	" "	1,110
Dwellings,	" "	4,597
Acres,	" "	7,026

PROPORTION OF TAX RATE.

State, ...	$ .22 per 1,000 ½ polls deducted
County, . . .	.70 per 1,000 ½ polls deducted
City, ...	15.08 per 1,000
Total rate, . .	$16.00

The Assessors on November 3 of the current year assessed the Holyoke Street Railway Company, an excise tax of $3,947.84 in accordance with Section 44, Chapter 14, of the revised Laws, and executed and delivered a warrant to Thomas F. McCabe to collect the same in accordance with the above Chapter, rate of levy being $215.96 per mile for 18.28 miles or 2¼ per cent on total income.

Respectfully submitted,

Board of Assessors of the City of Holyoke,

JOSEPH ST. MARTIN, Chairman.

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FACTS AND FIGURES FROM THE ASSESSORS' OFFICE—YEAR 1902.

Year.	Real Property.	Personal Property.	Total Valuation.	No. of Polls.	Rate of Taxation per $1,000	Amount Raised by Taxation.	Per Cent. of Gain or Loss in Real Valuation.	Per Cent. of Gain or Loss in Personal Valuation.	Per Cent. of Gain or Loss in Polls.	Per Cent. of Gain or Loss in Amount Raised.	Remarks.
1861	$1,384,627	$885,812	$2,270,439	1,402	$6.20	$16,179.72	..	..	..	..	Town of Holyoke
1862	1,489,297	783,083	2,272,380	1,223	7.50	19,488.89	7.559	*11.599	*12.75	20 452	" "
1863	1,567,427	809,139	2,374,566	1,095	16.00	40,183.06	5.111	3.327	*10.469	106.184	" "
1864	2,278,217	323,161	2,601,378	1,145	12.50	34,794.74	45.533	*60.599	13.699	*13.469	" "
1865	2,025,417	1,104,925	3,130,342	1,088	15.00	49.131.10	*11.099	241.911	*4.978	41.202	" "
1866	2.260,360	1,237,915	3,498,275	1,502	14.50	53,729.00	11.599	12.036	38 051	9.358	" "
1867	2.770,065	1,412,260	4.182,325	1,846	14.50	64,335.71	22.549	14.083	22,902	19.741	" "
1868	3,141,070	1,665,910	4,806,980	1,964	16.00	81,634.80	17.003	17.960	6 392	26 873	" "
1869	3.481,295	1,889,000	5.370,295	2,345	12 50	67,128.07	10 631	13.392	19.399	*16.534	" "
1870	3,677,790	1,878,870	5,556,660	2 433	13.50	75,014.91	5.644	*5,362	3 326	11.749	" "
1871	4,442,235	2,198,150	6.640,385	2,811	14.80	103,899.63	20.750	16.469	15.536	38.505	" "
1872	5,275,590	2.416 996	7,692,586	3,067	14.00	114.599.21	18.782	9.955	9.107	10.298	" "
1873	6,013,465	2.564,727	8,578,192	3,284	15.50	139,529.69	13.984	6.112	7.075	13.028	" "
1874	6,453,400	2,790,832	9,244,232	3,559	21.20	203,088.07	7.316	8.036	8.370	45.548	City of Holyoke
1875	6,791,245	2,889,882	9,681,127	3,605	20.80	208,534.66	5.235	3.549	1.292	2.684	" "
1876	6,947,025	2.690,967	9.637,992	3,220	20.00	199,199.84	2.293	*6.883	*10.679	*4 476	" "
1877	6,832,520	2,564,910	9,397,430	3,342	17.40	170,199.30	*1.648	*4.684	3.788	*14 558	" "
1878	7.013,785	2,676,772	9,690,557	3,585	15 40	156,418.61	2.651	4.361	7.271	*8.096	" "
1879	7,116,130	2,815,661	9,931,791	4,059	15.80	163,905.56	1.459	5.188	13.221	4.780	" "
1880	7,640,595	3,023,342	10,665,937	4,625	16.80	188,633 73	7.370	7.446	11.478	15.086	" "
1881	8,553,595	3,423,815	11.977,410	5,286	17.40	217 742.43	11 949	13.171	14.291	15.431	" "
1882	9,573,715	3,800,340	13,374,055	5.717	15.40	217,395.99	11.926	10.997	8.153	*.159	" "
1883	10,328,335	4,087.215	14,415,550	6,000	14 40	219,583.93	7.882	7.548	4.950	1.006	" "
1884	11,077,865	4,450,130	15,527 995	6,420	14.80	242,654.33	7.257	8.879	7.000	10.506	" "
1885	11,610,190	4,525,325	16,135,515	6,451	17.20	290,433.03	4.805	1.689	.482	19.699	" "
1886	12,199,960	4.674,675	16,874,635	6,789	18 20	320,696 38	5.078	3.300	5.239	10.420	" "
1887	13,528,110	4,584,470	18,122,580	7,196	17.00	322,475.87	10.886	*1.715	5.995	.523	" "
1888	14,508,060	4,613 275	19,121,335	7,504	17.20	343,894.96	7.243	.409	4.280	6.642	" "
1889	16,111,170	5.084,780	21,195,950	8,058	16.00	355.241.20	11.049	10.220	7.316	3.299	" "
1890	16,914,870	5,158,955	22,073,825	7,978	16 00	369,127.20	4.988	1.458	*.993	3.988	" "
1891	17,566,195	5.377,745	22,943,940	8,241	16 50	395,057.02	3.850	4.240	3.261	7.024	" "
1892	18,231,520	6,241,765	24,473,285	8,608	17.50	445,488.51	3.787	16.066	4.392	12.765	" "
1893	19,032,550	6.617,105	25,649,655	9,887	15.80	425,038.54	4.393	6.018	14 925	*4.590	" "
1894	19,856,850	6,897,915	26,754,765	9,982	15 00	421,285 48	4.331	4.243	.960	*.893	" "
1895	20,578,390	7,126 235	27,704,625	10,428	16.80	486,293.70	3.633	3.309	4.508	15.430	" "
1896	21,908.720	7,648,505	29,557,225	10,961	16 40	506,660.49	6 464	7.327	5.111	4.188	" "
1897	25,057,810	7,929,015	32,986.825	11,160	15.80	543,511.63	14.373	3.667	1 815	7.273	" "
1898	28.239,530	8 176,270	36,415,800	11,212	14 40	546,811.52	12 697	3 118	.466	.607	" "
1899	28,703,830	8,957,120	37,660.950	11,092	16 00	624,759.20	1.644	9 550	*.107	14.225	" "
1900	29,374,720	10,873,040	40,247,760	11,278	16 40	682.619.26	2.337	21 389	1.677	9.261	" "
1901	29,658,610	10,293,320	39,951,930	11,502	16.20	670,225.27	.966	*.592	1.908	*1.669	" "
1902	30,143.880	10,595,880	40,739,210	11,391	16.00	674,247.36	1.634	2 938	*.965	.600	" "

*Loss.

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REPORT OF THE DEPARTMENT OF POLICE.

OFFICE CITY MARSHAL.

HOLYOKE, MASS., December 1, 1902.

To the Honorable, the Mayor, and Board of Aldermen of the City of Holyoke.

GENTLEMEN:—I have the honor to submit herewith my official report for the fiscal year commencing December 1, 1901 and ending November 30, 1902. The past year has been remarkably free from crimes of a serious nature, and in most cases the offenders were promptly arrested and dealt with according to law. The tables presented in this report give in detail the work done by the Department for the year just closed and a careful perusal of them will show that the duties which are delegated to the officers have been faithfully performed.

ORGANIZATION.

The regular force consists of a Marshal, Assistant Marshal, Captain, Lieutenant, Matron, and forty-five Patrolmen, two of whom are doing special duty.

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ROSTER OF THE FORCE, 1902.

City Marshal,

J. SIDNEY WRIGHT.

Ass't. Marshal,
PATRICK HERBERT.

Captain,
TIMOTHY HALEY.

Lieutenant,
PATRICK E. SULLIVAN.

Matron,
MRS. KATE MOYNIHAN.

Special Duty,

DENNIS MACK. THOMAS E. BLIGH.

DAY AND NIGHT PATROLMEN.

Michael Shine,
Richard Peters,
Dennis Mack,
Thomas F. Riley,
John A. Davis,
Henry J. Campbell,
William E. Blackmer,
Michael J. Lynch,
Frank M. Priest,
Cornelius J. Louney,
George L. Dickinson,
Patrick F. Ryan,
Frank J. Gallagher,
William M. Quirk,
Francis M. Hastings,
John A. Powers,
John A. Geran,
Cornelius Curran,
Peter A. Cullen,
James B. Griffin,
John J. Moriarty,
Jeremiah J. Lennehan,
Patrick J. Reardon,
John Leary,
John W. Vaugh,
John A. Vachon,
Thomas E. Bligh,
George P. Buckley,
William P. Cummings,
James T. Donoghue,
Rock H. Lalonde,
Maurice M. O'Connor,
Thomas Bresnahan,
Charles P. Kehl,
Maurice H. Shine,
Matthew McClellan,
Henry M. Fisher,
Daniel C. McCarthy,
Frank R. Metcalf,
Richard E. Lowcock,
William Carey,
Michael Driscoll,
Peter J. Manning,
Patrick J. Kennedy,
Walter J. Murray.

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STATISTICS OF ARRESTS.

Total number of arrests,	1,335
Males,	1,189
Females,	146

ARRESTS WERE FOR THE FOLLOWING OFFENCES.

Abuse of female child,	1
Adultery,	4
Assault,	111
Assault with a dangerous weapon,	3
Assault on an officer,	11
Attempt to commit larceny,	2
Attempt to break and enter,	3
Breach of the peace,	7
Breaking and entering,	14
Bastardy,	9
Contempt of court,	4
Creating a disturbance on street cars,	2
Drunkenness,	857
Disturbing a religious meeting,	1
Disturbing the peace,	3
Fornication,	28
Interfering with an officer,	1
Indecent exposure of person,	1
Keeping a disorderly house,	3
Larceny,	101
Malicious mischief,	25
Non-support,	11
Neglect to send children to school,	1
Neglected child,	24
Peddling without a license,	4
Receiving stolen goods,	2
Ringing false fire alarm,	2
Trespass,	2

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Truancy,	10
Stubbornness,	7
Sureties of the peace,	2
Violation city ordinance,	26
Violation rules of Board of Health,	8
Violation liquor law,	1
Violation milk law,	4
Violation game law,	3
Violation vinegar law,	1
Violation butter law,	8
Violation,	1
Violation oleomargarine law,	1
Vagrancy,	19
Walking on railroad track,	7
	1,335

DISPOSITION OF CASES FOR THE YEAR 1902.

Appealed,	12
Bound over to the Superior Court,	21
Committed to House of Correction, default of sureties,	2
Committed to House of Correction,	155
Committed to House of Correction, non-payment of fines,	367
Committed Massachusetts Reformatory,	5
Committed Lyman School for Boys,	7
Committed Hampden County Truant School,	9
Committed to Woman's Reformatory Prison,	4
Committed to Industrial School for Girls,	4
Committed State Board of Charity,	13
Discharged,	57
Fined and paid,	518
Probated and discharged,	94
Placed on file,	67
	1,335

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NUMBER OF ARRESTS EACH MONTH.

December, 1901,	98
January, 1902,	116
February, "	80
March, "	123
April, "	107
May, "	118
June, "	110
July, "	129
August, "	118
September, "	114
October, "	105
November, "	117
	1,335

NATIVITY OF PERSONS ARRESTED.

America,	708
Austria,	9
Canada,	179
Denmark,	2
England,	18
France,	4
Germany,	22
Greece,	1
Hungary,	2
Ireland,	271
Italy,	5
Nova Scotia,	2
Poland,	39
Russia,	34
Scotland,	32
Sweden,	3
Turkey,	2
Wales,	1
	1,335

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MISCELLANEOUS DUTIES PERFORMED BY THE POLICE.

Number of children found and restored to parents,	169
Number of lodgers accommodated,	1,896
Number of meals furnished prisoners,	3,184
Number of buildings found open and unsecured,	441
Number of dead bodies found,	11
Number of fire alarms given,	14
Number of fires extinguished without alarms,	10
Number of defective fire alarm boxes reported,	14
Number of sick and injured persons assisted,	9
Number of stray teams taken up,	29
Number of street lamps reported not lighted,	1,236
Number of persons arrested for other cities,	27
Number of search warrants for liquor served,	11
Number of bicycles reported stolen,	29
Number of bicycles found and returned to owners,	59
Number of bicycles reported stolen and recovered,	26
Number of safe doors found open,	5
Number of dogs shot,	19
Number of defective sidewalks reported,	405
Number of defective catch-basins reported,	14
Number of gallons of spirituous and malt liquors seized,	71
Number of insane persons cared for,	30
Number of notices served,	307
Number of teams reported lost, all recovered,	26
Value of property reported stolen,	$1,561.00
Value of property recovered,	1,145.00
Amount of money reported stolen,	1,075.00
Amount of money recovered,	774.00

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POLICE SIGNAL SYSTEM.

The Police Signal System which has now been in operation for the past three years has demonstrated its usefulness and also its advantages over the old system, and by it the officers have been enabled to keep in close touch with the men at all times receiving reports of officers from different sections every hour, both day and night, throughout the year. The system has been kept in good working order and at a very reasonable cost to the department. The following shows the extent of the system used during the year:

Duty calls from Patrolmen,	102,538
Telephone calls,	1,356
Wagon calls,	990
Miles run,	1,002

REPORT OF POLICE MATRON.

Number of females in charge,	163
Number of females arrested,	146

OFFENCES.

Assault,	5
Assault on officer,	1
Adultery,	1
Breach of the peace,	3
Drunkenness,	87
Disturbing the peace,	1
Fornication,	13
Keeping a disorderly house,	2
Larceny,	9
Neglected children,	13
Peddling without a license,	2
Trespass,	1

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Stubbornness,	4
Vagrancy,	4
Lodgers,	8
Insane,	9
	163

DISPOSITION OF CASES.

Bound over to Superior Court,	1
Appealed to Superior Court,	1
Committed to House of Correction,	23
Committed to House of Correction for non-payment fines,	28
Committed to Woman's Reformatory Prison,	4
Committed to Industrial School,	4
Committed to State Board of Charity,	6
Discharged,	5
Fined and paid,	38
Probated and discharged,	16
Placed on file,	20
Lodgers,	8
Insane,	9
	163

I regret having to report so many cases of drunkenness among women, especially when the offenders are young. Many of the cases this year are under twenty-five years, and two were under sixteen years of age. Seven neglected children were placed in charge of the Saint Vincent De Paul Society, and three girls have gone to the House of Good Shepherd, Springfield.

As the weather is unusually severe I have many applications for women's clothing, shoes, rubbers, etc. I shall be thankful for donations of such articles.

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I again thank the Marshal, his assistants, and the members of the police force for courtesy and ready assistance extended to me in my work.

Respectfully,

MRS. KATE MOYNIHAN,
Police Matron.

FINANCIAL REPORT.

Balance December 1, 1901,	$14.85
Appropriation,	46,280.00
Fines from Police Court,	3,673.44
Fines paid after committment,	446.00
	$50,414.29

EXPENDITURES.

Pay roll,	$47,735.00
Miscellaneous expenses,	2,665.77
Balance on hand,	13.52
	$50,414.29

In compliance with a provision of the Charter, I respectfully recommend an appropriation for the ensuing year of $46,000.00. This recommendation is based on the present roster of the force.

ITEMS.

Appropriation,	$46,000.00
Estimated receipts,	5,000.00
	$51,000.00

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Pay roll, regular force,	$48,168.00
Other expenses,	2,832.00
	$51,000.00

CHANGES IN THE DEPARTMENT.

During the year the following changes have taken place in the department. On February 8, two additional Patrolmen were added to the force, namely, Peter J. Manning and Patrick J. Kennedy, and confirmed September 11, 1902. May 12, Officer James F. Greaney resigned, and Walter E. Murray was appointed. He was confirmed November 15, 1902.

CONCLUSION.

I desire to express my appreciation of the ever courteous treatment accorded me by his Honor, the Mayor, and the Judge and Clerk of the Police Court, for the ready assistance rendered me at all times in the performance of my duties.

Respectfully submitted,

J. SIDNEY WRIGHT,

City Marshal.

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REPORT OF

CITY SOLICITOR.

HOLYOKE, MASS., December 1, 1902.

To the Honorable, the Mayor of the City of Holyoke:

The report of the Law Department for the year ending December 1, 1902 is as follows, viz: At the beginning of the current year there were the following cases pending:

J. Russell & Co. vs. City of Holyoke.
George W. Richards vs. City of Holyoke.
Thomas W. Mann vs. City of Holyoke.
M. E. Cummings vs. City of Holyoke.
Frank Shoals vs. City of Holyoke.
Mary O'Connor vs. City of Holyoke.
C. C. Abbey vs. City of Holyoke.
Lyman Mills vs. City of Holyoke.
Holyoke Water Power Co. vs. City of Holyoke.
Springfield Bridge Case.

During the year these actions were brought:

William Slattery vs. City of Holyoke.
Ellen Delisle vs. City of Holyoke.
Michael Craven vs. City of Holyoke.
Louis J. Rigali vs. City of Holyoke.
Mary G. FitzGibbon vs. City of Holyoke.

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Disposition was made of litigation as follows:

M. E. Cummings vs. City of Holyoke.

This was an action brought April 4, 1899, for an alleged breach of the contract for constructing the new High School building. The damages claimed amounted to $53,753.22. After the case was entered in Court it was referred to L. E. Hitchcock of Chicopee as auditor. A hearing in the case was set for about the middle of May of the current year, but before the hearing began the matter was settled.

The circumstances of the settlement were these:

The Ely Lumber Company held an assignment from Mr. Cummings of the total amount which should be due him on a final settlement to the amount of $6,500. Mr. Cummings assigned his entire claim to the Ely Lumber Company, and, on the written advice of James H. Newton, William B. Reid and M. F. Walsh, who composed the Board of Public Works in the year when the greater part of the difficulty arose, the case was adjusted by the payment to the Ely Lumber Company of the sum of $6,000.

William Slattery vs. City of Holyoke.

This was an action of tort brought by writ dated January 13th, 1902, for injuries alleged to have been sustained by reason of a defective telephone pole on Nonotuck street. The case was tried in the Police Court of Holyoke and judgment was found for the defendant.

Frank H. Shoals vs. City of Holyoke.

This was an action which resulted from the taking by the City of the waters of the Manhan river for the Southampton reservoir. The claim was for damages to a mill privilege at Easthampton. The case was settled by the payment of $600.00 and taxable costs.

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Mary O'Connor vs. City of Holyoke.

This was an action of tort for personal injuries alleged to have been caused by a defective man-hole cover on East Dwight street. The plaintiff claimed a permanent and serious injury. The case was tried before a jury at the February sitting of the Superior Court, and a verdict was rendered in favor of the plaintiff for $675.

Mary G. Fitzgibbons vs. City of Holyoke.

This was an action of tort brought for injuries alleged to have been received on February 28, 1902, by stumbling over a carriage stone in front of the Hotel Hamilton. The case was settled for $150, one-half of which amount was paid by the American Writing Paper Co. The stone was forthwith removed.

Louis J. Rigali vs. City of Holyoke.

This was an action of tort brought by writ dated March 18, 1902 for injuries to the property of the plaintiff on West Hampden street, by reason of an alleged defective sewer. The *ad damnum* of the writ was $10,000. The case was adjusted as it was about to be tried at the November sitting of the Superior Court by a compromise settlement of $1,400 and costs.

Springfield Bridge Hearing.

This was a proceeding to determine the apportionment of cost arising from the building of a new bridge across the Connecticut river between Springfield and West Springfield. Many hearings were held, the final session taking place on May 5, 7 and 10. At the conclusion of the hearings the cost was apportioned as follows, viz:

County of Hampden,	32 per cent
City of Springfield,	50 per cent
Town of West Springfield,	10 per cent
Town of Agawam,	2 per cent

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Town of Westfield,	3 per cent.
City of Holyoke,	2 ½ per cent
Town of Southwick,	½ per cent

The law authorizing the building the bridge was later repealed so the apportionment became of no consequence except possibly as a precedent.

Holyoke Water Power Co. vs. City of Holyoke.

The most important work of the year in the legal department was the completion and settlement of what is known as the Municipal Lighting case. This was a proceeding brought under Chapter 370, Acts of 1891, as amended by later enactments, entitled "An Act to enable cities and towns to manufacture and distribute gas and electricity." The original petition was filed March 5, 1898. On May 12, 1898, Everett C. Bumpus, James E. Cotter and Edmund K. Turner were appointed commissioners. From that time the case proceeded, dragging its weary length from year to year until on March 6, 1902, after one hundred and eight hearings, the argument for the petitioner was ended and the case was practically passed over to the Commissioners.

The final award of the Commissioners was signed November 15, 1902. A waiver of objections to the award was filed November 18, 1902. The interlocutory decree confirming the award was made November 18, 1902, by Justice Loring and on the same day a waiver of appeal and exception to the decree was filed by all parties to the case. This completed the case except the actual transfer of the property. By the terms of the award the city is entitled to have possession of the property involved, on the payment of $706,543.

The fees of the Commissioners amounted to $41,000, one-half of which expense was taxed to each party to the action. The case for the city was principally conducted by Nathan Matthews Jr. of Boston and Addison L. Green of Holyoke, and great credit is due to these gentlemen for the ability, industry and faithfulness displayed by them in the conduct of the litigation.

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The cases now pending are:

J. Russell & Co. vs. City of Holyoke.
George W. Richards vs. City of Holyoke.
T. W. Mann vs. City of Holyoke.
C. C. Abbey vs. City of Holyoke.
Lyman Mills vs. City of Holyoke.
Ellen Delisle vs. City of Holyoke.
Michael Craven vs. City of Holyoke.

Of the above, the only new cases are those of Ellen Delisle and Michael Craven.

Ellen Delisle vs. City of Holyoke.

This is an action of tort brought by writ dated March 25th, 1902, for personal injuries alleged to have been caused by a defective sidewalk on Hamilton street. The *ad damnum* of the writ is $4,000.

Michael Craven vs. City of Holyoke.

This is an action brought to recover taxes on certain machinery paid under protest and claimed to have been illegally assessed. The amount involved is $267.32.

The usual hearings before the Committee on Claims have been attended.

Several matters before the Legislature in the early part of the year also required the attention of the Law department.

It will no doubt be good news to the taxpayers to learn that the City is more nearly out of litigation than it has been for many years.

The Law department has been treated with unfailing courtesy by all the departments of the City. Of great assistance, also, have been the efforts of Holyoke's faithful and able representatives at the Legislature.

Respectfully submitted,

N. P. AVERY,
City Solicitor.

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REPORT OF THE
TAX COLLECTOR.

HOLYOKE, MASS., December 15, 1902.

To the Honorable, the Mayor, and Board of Aldermen of the City of Holyoke.

GENTLEMEN:—As provided by ordinance, I present herein a report of my collections beginning December 1, 1901 and ending November 30, 1902.

THOMAS F. MCCABE, *Tax Collector.*

IN ACCOUNT WITH CITY OF HOLYOKE.

TAXES FOR 1902.

Dr.

To Cash, taxes collected,	$581,412.07
To Cash, excise tax collected,	3,947.84
To Cash, interest on taxes,	52.63
To Abatements,	2,640.48
By Balance, taxes uncollected,	105,974.73
	$694,027.75

Cr.

By Taxes Assessed,	$689,665.28
By Taxes Assessed (additional),	362.00
By Excise Tax,	3,947.84
By Interest on Taxes,	52.63
	$694,027.75

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NOTE:	Cash deposited with City Treasurer, taxes,	$581,390.41
	Cash deposited with City Treasurer, excise tax,	3,947.84
	Cash deposited with City Treasurer, interest,	52.63
	Cash on hand, ...	21.66
		$585,412.54

TAXES FOR 1901.

Dr.

To Cash, taxes collected and deposited, . .	$90,542.23
To Cash, interest on taxes, deposited, . .	2,842.64
To Abatements, ...	5,655.66
By Balance taxes uncollected, ...	25,818.27
	$124,858.80

Cr.

By Balance Outstanding December 1, 1901, .	$121,631.78
By Additional Assessment, ...	384.38
By Interest on taxes, ...	2,842.64
	$124,858.80

NOTE: (On hand December 1, 1901, $34.72, deposited.)

TAXES FOR 1900.

Dr.

To Cash, Taxes Collected and Deposited, . .	$27,778.38
To Interest on Taxes Deposited, ...	2,840.06
To Abatements, ...	4,906.50
By Balance Taxes Uncollected, ...	840.47
	$36,365.41

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Cr.

By Balance Taxes Outstanding, December 1, 1901,	$33,525.35
By Interest on Taxes, ...	2,840.06
	$36,365.41

SUMMARY.

Taxes assessed for 1898,	$559,879.79	Uncollected,	$279.49
Taxes assessed for 1899,	639,799.04	Uncollected,	427.76
Taxes assessed for 1900,	699,103.83	Uncollected,	840.47
Taxes assessed for 1901,	686,160.19	Uncollected,	25,818.27
Taxes assessed for 1902,	690,027.28	Uncollected,	105,974 73
	$3,274,970.13		$133,340.72

NOTE: Uncollected Taxes December 1, 1901:

For 1898, ...	$298.77
" 1899, ...	952.10
" 1900, ...	33,525.35
" 1901, ...	121,666,50
	$156,442.72
Uncollected Taxes December 1, 1902, as above,	133,340.72
Decrease in outstanding taxes for past year,	$23,102.00

NOTE: The City Treasurer holds security for the uncollected of 1898 and 1899, also for $435.45 of 1900.

Respectfully,

THOS. F. McCABE,

Tax Collector.

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I hereby certify that the amount of deposit, taxes and interest in the report of Thomas F. McCabe, Tax Collector, to close of business November 30, 1902, is correct.

PIERRE BONVOULOIR,
City Treasurer.

I hereby certify that in accordance with the ordinance, I have audited the accounts of Thomas F. McCabe, Tax Collector, to close of business November 30, 1902, and found them correct.

D. W. KENNEY,
City Auditor.

HOLYOKE, MASS., December 31, 1902.

I hereby certify that I have examined the accounts of Thos F. McCabe, Collector of Taxes for the City of Holyoke, covering the tax warrants of 1898, 1899, 1900 and 1901, and find that all collections have been promptly paid over to the City Treasurer, and that the amount of unpaid taxes appearing upon the books equals the amount due on the several warrants for those years.

I find that the proper amount of interest has been paid on the warrants of 1898, 1899 and 1900, which are nearly settled.

FREDERICK S. FULLER,
Public Accountant.

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REPORT OF THE

Inspector of Milk, Vinegar and Petroleum.

OFFICE OF INSPECTOR,
CITY HALL, HOLYOKE, MASS., 1902.

To the Honorable, the Mayor and Board of Aldermen.

I have the honor to submit herewith the following report as Inspector of Milk, Vinegar and Petroleum for the City of Holyoke for the year ending November 30th, 1902.

MILK.

Total number of licenses granted,	364
Number granted to peddlers,	115
Number granted to stores and stands,	237
Number granted for sales of Oleomargarine,	12
I have paid into the City Treasurer as license fees received,	$182.00
I have paid into the City Treasurer money received for distilled water, etc.,	$13.32
Number of quarts of sweet milk sold in the city daily is	17,933
Number of quarts of skimmed milk sold daily is	2,228
Number of quarts of cream sold daily is	272

Making the total number of quarts of milk sold this past year 6,545,545 and of cream 99,310, which at the retail value of milk and cream as sold in this city, amounts to $482,856.

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Number of milk samples tested,	1,045
Number of butter samples tested,	9
Number of vinegar samples tested,	114
Number of kerosene oil samples tested,	103
Number of prosecutions,	4
Number of licenses revoked,	2
Number of warnings sent,	26

The prosecutions were, one for selling milk in store after license had been revoked by order of the Board of Health, fine ($5.00.) One for selling vinegar of not standard quality, fine ($10.00.) One for selling milk of not good standard quality, fine ($10.00.) One for selling milk of not good standard lost by failure in sending the party the result of the analysis. All the parties that were prosecuted were sent warnings which they failed to obey.

Two licenses were revoked by order of the Board of Health for selling milk from dirty cans and carriages.

I have sent twenty-five warnings to parties found selling milk of not standard quality and one for selling vinegar of not standard quality.

Of the 1045 samples of milk tested only twenty-five were of such low standard as to deserve a warning, which speaks very well for the quality of milk sold in this city.

VINEGAR.

Of the 114 samples tested I have found but one that was not standard quality and as the party continued to sell the same after a warning, was prosecuted and fined.

OLEOMARGARINE.

The new law in relation to selling oleomargarine uncolored resulted in twelve parties taking out license for the sale of same. The State Inspectors have been very active here, and there is very little if any of it sold here unlawfully.

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The State Agent of the Dairy Bureau prosecuted nine parties for selling "Renovated Butter" not marked as the law requires. These cases were all settled by the parties paying the costs of court and having their cases filed away.

PETROLEUM.

I have tested samples from one hundred tank cars of kerosene oil and three wagon loads that were sent in here from Springfield. All this oil has been above the Massachusetts standard.

Respectfully submitted,

JAMES K. MORRILL,

Inspector of Milk and Vinegar.

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REPORT OF THE

Inspector of Provisions.

To the Honorable the Mayor and Board of Aldermen:

The following is the report of the Inspector of Provisions, etc.

Number of cattle inspected,	780
Number of cow barns inspected,	70
Number of stables inspected,	18
Diseased meat condemned (pounds),	5,800
Number of cow barns ordered cleaned,	6
Number of barns reported to Board of Health as unsanitary,	4
Number of stables reported to Board of Health as unsanitary,	12
Number of meat markets reported to Board of Health as unsanitary,	4

In conclusion would state that the total number of changes ordered was twenty-six, all of which have been complied with. This work was done on order from the Board of Health.

I wish to return thanks to the Health Officer, Mr. J. J. Linehan, for his assistance to me at all times, also to Dr. J. J. Moynahan, Marshal Wright and the Police Department.

Respectfully,

GEORGE L. GOODYEAR,

Inspector of Provisions, Etc.

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REPORT OF
SINKING FUND
COMMISSIONERS.

HOLYOKE, MASS., November 30, 1902.

To His Honor the Mayor and the Board of Aldermen of the City of Holyoke:

The Commissioners of the Sinking Fund for the payment of Municipal Bonds respectfully submit the following report:

Amount of Fund reported November 30, 1901,			$361,413.84
RECEIVED DURING THE YEAR.			
Appropriated by the Board of Aldermen — Received November 10, 1902,		$60,000.00	
From the Board of Water Commissioners, an amount equal to tax of $16.00 per $1,000.00 on valuation of Water Works ($1,295,348.26),		20,724.93	
Interest on investments,	$13,995.64		
Less amount credited to premium account,	3,000.00		
		10,995.64	
			91,720.57
Amount of Fund, this date,			$453,134.41

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INVESTED AS FOLLOWS.

Real estate loans,	$43,900.00	
Municipal bonds,	200,500.00	
Bank stocks,	3,900.00	
Cash, deposited in banks, at interest,	198,516.15	
Premium account,	6,318.26	
		$453,134.41

Respectfully submitted,

C. FAYETTE SMITH,
LEMUEL SEARS,
J. S. McELWAIN,
Commissioners of the Sinking Fund.

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CITY OF HOLYOKE.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE.

In Relation to Hawkers and Peddlers.

Be it ordained by the Board of Aldermen of the City of Holyoke, as follows.

SECTION 1. No person shall sell or expose for sale as a hawker or peddler in this city any fruits, vegetables, or provisions unless he is duly licensed therefor by the Secretary of the Commonwealth, or by the Board of Aldermen, and shall exhibit his license when requested to do so by any police officer.

SECTION 2. The Board of Aldermen may grant licenses to such hawkers or peddlers upon such conditions as they may deem expedient, and may revoke the same at their discretion, and a record of the licenses as granted shall be kept by the City Marshal.

SECTION 3. All licenses granted shall expire on the first day of May next after the date thereof, unless sooner revoked, and no license shall be transferable. For every license so granted there shall be paid to the City Clerk the sum of One Dollar for the use of the city.

SECTION 4. Every person licensed to peddle as aforesaid, shall be assigned a number by the City Marshal, and shall have his name and such number painted in letters and figures not less than two inches high on each side of his wagon or vehicle, and when his license is demanded of him by any police officer he shall forthwith exhibit it, and if he neglects or refuses so to do he shall be subject to the same penalty as if he had no license.

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SECTION 5. Whoever shall offend against or fail to comply with any of the provisions of this ordinance, shall for every offense, forfeit and pay a penalty of not more than Twenty Dollars.

SECTION 6. All the provisions of this ordinance shall be incorporated into every license which shall be granted under it.

SECTION 7. All ordinances and parts of ordinances inconsistent with the above are hereby repealed.

Approved November 13, 1902.

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CITY OF HOLYOKE.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

To amend an ordinance entitled "An Ordinance to amend Section 1 of Chapter 22 of the Revised Ordinances of the City of Holyoke."

Be it ordained by the Board of Aldermen of the City of Holyoke, as follows:

SECTION 1. The first paragraph of an ordinance to amend Section 1 of Chapter 22 of the Revised Ordinances of the City of Holyoke shall not apply to School street.

Approved, November 13, 1902.

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CITY OF HOLYOKE.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

In relation to automobiles, electric cars, or other vehicles.

Be it ordained by the Board of Aldermen of the City of Holyoke, as follows.

SECTION 1. No automobile, electric car or other vehicle propelled by steam, electricity, or other motive power, shall be run within the limits of the city at a rate of speed greater than ten miles an hour.

SECTION 2. Every person having charge of any automobile, electric car, or other vehicle in any street, square, or public place in the City of Holyoke, shall obey the directions of any police officer respecting the place of standing and the route to be taken when going to or leaving such place.

SECTION 3. The owner, or the person having charge of any automobile, electric car, or other vehicle used in violation of any of the provisions of this ordinance, shall forfeit and pay for each offense a fine not exceeding twenty dollars.

Approved, November 13, 1902.

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CITY OF HOLYOKE.

In the Year One Thousand Nine Hundred and Two.

AN ORDINANCE

In Relation to Junk Dealers and Dealers in Second-Hand Articles.

Be it ordained by the Board of Aldermen of the City of Holyoke, as follows.

SECTION 1. No person shall be a dealer in or keeper of a shop for the purchase, sale or barter of junk, old metals, or second-hand articles in this city, unless he is duly licensed therefor by the Board of Aldermen and shall exhibit his license when requested to do so.

SECTION 2. Every person owning or having the care or driving of a cart, wagon, dray, truck, hand cart, sleigh, sled, hand sled or other vehicle which shall be used in the city for or in the collection of junk, old metals, rags, papers, bottles or second-hand articles, shall be licensed by the Board of Aldermen and each of said vehicles shall have painted upon each side of the same the name of the licensee and the number of his license in plain legible letters and figures of not less than three inches in length and so that the same may be distinctly seen and read.

SECTION 3. Any person who shall collect junk, old metals, rags, papers, bottles or second-hand articles without a wagon, cart, dray, truck, hand-cart, sleigh, sled, hand-sled or other vehicle, shall be licensed by the Board of Aldermen and shall wear a badge on some conspicuous part of his clothing with the number of his license thereon in plain legible figures of not less than one inch in length.

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SECTION 4. Every person dealing in said articles or keeping such a shop, shall keep a book in which he shall record in plain English language at the time of every purchase by him of either the articles mentioned in the preceding section a description of the articles purchased, the name, age, and residence of the person from whom, and the day and hour when he so purchased it. No entry made in such book shall be erased, obliterated or defaced and the form of such book shall be prepared by the City Marshal. Said book shall at all times be open to the inspection of Mayor and Aldermen or any person by them authorized to make such examination.

SECTION 5. Any police officer may, enter the shop of any such dealer in junk or second-hand articles and examine the books and property in said shop, and all articles purchased or held by said dealer in junk or second-hand articles shall be exhibited to any police officer whenever a demand shall be made for such exhibition. Every such licensed dealer shall make out and deliver to the City Marshal every day before the hour of twelve o'clock, noon, a legible list containing an accurate description of all articles purchased during the preceding twenty-four hours, and the time when such articles were purchased.

SECTION 6. No keeper of such shop shall directly, or indirectly, either purchase or receive by way of barter or exchange, any of the articles aforesaid of any minor or apprentice, knowing or having reason to believe him to be such; and no article purchased by such shopkeeper shall be sold by him until a period of at least one week from its purchase or receipt by him shall have elapsed, without entering on his book the name and address of the purchaser, with other facts sufficient to enable him to keep trace thereof.

SECTION 7. Every keeper of such shop shall put, in some suitable and conspicuous place on his shop, a sign having his name and occupation legibly inscribed thereon in large letters.

SECTION 8. Every such shop, and all articles of merchandise therein, may be examined at any time by the Mayor and Al-

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dermen, or by any person by them authorized to make such examination, or by any police officer.

SECTION 9. No keeper of such shop shall have the same open for transaction of business, except during the time between the rising of the sun and nine o'clock of the afternoon of each week day.

SECTION 10. All licenses granted under this chapter shall designate the place where the person licensed may carry on his business, and he shall not engage in or carry on his business under his license in any other place than the one designated.

SECTION 11. Any person offending against any of the provisions of this chapter shall forfeit a sum not exceeding twenty dollars for each offence.

SECTION 12. Persons who buy or sell no second-hand articles except books or furniture shall be exempt from the provisions and conditions of Section 4.

SECTION 13. No application for a license under this ordinance shall be received after June 1, in each year.

SECTION 14. All the provisions of this ordinance shall be incorporated into every license which shall be granted under it.

SECTION 15. All ordinances and parts of ordinances inconsistent with the above are hereby repealed.

SECTION 16. For every license granted under this ordinance there shall be paid to the City Clerk the sum of two dollars for the use of the city.

SECTION 17. Every license granted hereunder shall continue in force until the first day of May following, unless sooner revoked.

SECTION 18. This ordinance shall take effect upon its passage.

Approved, November 18, 1902.

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City of Holyoke

JURY LIST

FOR 1903

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JURY LIST FOR 1903.

A

NAME.	RESIDENCE.	OCCUPATION.
Ahearn, John	80 Maple street	Hackman
Anderson, Thomas J.	20 Miller avenue	Merchant
Ash, Cornelius H.	205 Lyman street	Blacksmith
Archambault, Eli	14 Canal street	Clerk
Adams, Arthur	10 Center street	Hadley Co.
Almond, Robert	47 Canal street	Hadley Co.
Adams, James	23 Adams street	Hampden Glazed
Ainley, Walker	540 Canal street	Springfield Blanket Co.
Avard, Louis P.	542 East street	Skinner Mfg. Co.
Ashley, Edmund A.	507 Northampton street	Agent
Alderman, Henry H.	50 Pearl street	Architect
Allyn, George H.	River Terrace	Real Estate Agent
Allan, John R.	8 Clark street	Insurance Clerk
Arthur, B. Frank	179 Pine street	Real Estate Agent
Atherton, Herbert W.	207 Beech street	Millinery
Ainley, Herbert E.	20 Newton street	Deane Steam Pump Co.
Aitken, John	424 Maple street	Blacksmith
Arsino, Alexander	304 High street	Lyman Mills

B

Bigelow, John W.	80 Walnut street	Laborer
Bowler, John	80 Prospect street	Conn. Valley Lumber Co.
Bowler, Patrick	232 Lyman street	Mill Operative
Brassil, Michael,	214 Lyman street	Massasoit Paper Co.
Brennan, William	37 Chestnut street	Papermaker
Brosnahan, Stephen	56 Elm street	H. W. P. Co.
Bernier, Edward	106 High street	Papermaker
Barrett, William F.	148 Dwight street	Papermaker

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NAME.	RESIDENCE.	OCCUPATION.
Brannigan, Thomas J.	194 Dwight street	Papermaker
Bresnahan, William	130 Pine street	Springfield
Begley, Thomas J.	62 High street	Laborer
Brassil Patrick J.	208 Hampden street	Laborer
Brennan, Stephen J.	97 Elm street	Mason
Buckley, John P.	108 Walnut street	Machinist
Bynane, Patrick	105 Pine street	Teamster
Bardwell, Robert	337 High street	Clerk
Barnes, James	315 Maple street	Cressey Thread Co.
Bartley, James	643 High street	Whitmore Mfg. Co.
Beaudro, William G.	401 Maple street	Hol. Machine Co.
Beebe, Elmer	409 High street	Merchant
Beloin, Mederic H.	409 Maple street	Shipper
Benzio, Efisio	397 Maple street	Silk weaver
Bernard, Albert J.	19 Essex street	Clerk
Bogue, Henry J.	119 Cabot street	Teamster
Bolt, John	315 Maple street	Retired
Bosworth, Hiram E.	48 Bond street	Alpaca
Broderick, Edward A.	139 Sargeant street	Coghlan Boiler Works
Brick, William J.	171 Cabot street	Albion Paper Co.
Bugbee, Frank C.	183 Chestnut street	Linden Paper Co.
Bunyon, Maurice	119 Cabot street	Plasterer
Ball, Francis W.	7 Clark street	Carpenter
Batchelor, Frederick	86 Chapin street	Retired
Beeching, Joseph F.	124 South street	Molder
Begley, Matthew B.	25 Gates street	Painter
Bieber, Paul R.	32 Glen street	Laborer
Bray, Thomas	Westfield road	Farmer
Brown, Fred P.	12 Wolcott street	Janitor
Boie, August W.	4 James street	Riverside Paper Co.
Beauman, Otto	9 Meadow street	Weaver
Beaverstock, Elisha F.	39 Vernon street	Machinist
Bliss, Leon W.	669 Main street	Bottler
Bowler, Richard	315 Park street	Laborer
Brown, James	62 Commercial street	Skinner

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NAME.	RESIDENCE.	OCCUPATION.
Babcock, William A.	54 Pearl street	Alpaca
Bell, John H.	10 Cottage avenue	Agent
Brown, Otho R.	1 Highland avenue	Clothier
Burbank, Walter F.	26 Allyn street	Clerk
Buck, Frank L.	60 Pearl street	Painter
Burke James J.	114 Nonotuck street	Merrick Lumber
Baker, Michael H.	293 Linden street	Plumber
Bowker, Henry	161 Beech street	Retired
Brennan, Patrick	36 Center street	Clerk
Beauchemin, Joseph	640 East street	Butcher
Benoit, Albert F.	684 East street	Cigar Manufacturer
Burnham Fred D.	125 Main street	Grain Dealer
Bail, Vincent	556 Summer street	Carpenter
Byrnes, John J.	75 Center street	Gill Paper Co.
Belding, Clark E.	14 Grover street	Hadley Co.
Brown, Ambrose L.	30 Mosher street	B. & M. R. R. Co.
Barnett, George	99 West street	Norman Paper Co.
Biggins, William E.	76 East Dwight street	Clerk
Brennan, Daniel J.	58 West street	Crocker Mfg. Co.
Burgess, Valmore	395 Main street	Clerk
Beauchamp, Ovila	541 Bridge street	Sausage Manufacturer

C

Casey, Bartholomew	212 Lyman street	Blacksmith
Cavanaugh, Daniel J.	57 Chestnut street	Butcher
Connor, Michael	99 Maple street	Laborer
Crean, John	99 Maple street	Bootblack
Curtin, Daniel Jr.	10 Chestnut street	Mill Hand
Clifford, Michael	99 Beech street	Tailor
Cook, William	129 Walnut street	Parsons Paper Co.
Connell, Joseph	140 Dwight street	Waiter
Chabot, Damas J.	126 Pine street	Cigarmaker
Clifford, John	65 Front street	Spinner
Crowley, Frank D.	42 Front street	Nat. Blank Book Co.

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NAME.	RESIDENCE.	OCCUPATION.
Cavanaugh, Timothy W.	199 Dwight street	Merchant
Connolly, Patrick	96 Beech street	Papermaker
Cayer, Eugene	91 Mosher street	Papermaker
Cary, Edward F.	89 Bowers street	Student
Curley, Frank J.	369 Main street	Contractor
Curran, Terrence L.	107 Main street	Real Estate Agent
Cartier, Cyrille L.	254 Main street	Musician
Crowley, Daniel	28 Center street	Valley Paper Co.
Crowley, Cornelius	28 Center street	Plumber
Charest, Odilon Z. E.	352 Main street	Furniture Dealer
Clark, James T.	84 East street	Stone Cutter
Coderre, Souliada	83 Center street	Papermaker
Campagna, Joseph A.	547 Bridge street	Grocer
Corriveau, Philemon	37 Park street	Barber
Cummings, Thomas J.	44 Ely street	Hol. St. Ry. Co.
Carroll, John H.	445 Elm street	Holyoke Paper Co.
Chapin, Chalmers	25 Lawlor street	Retired
Connor, Dennis J.	44 Brown avenue	Alpaca
Cuthbertson, John	32 Washington avenue	G. C. Gill Paper Co.
Cassidy, Henry	470 Maple street	Holyoke Paper Co.
Chapin, Frederick J.	1244 Springfield street	Carpenter
Crooks, Robert E.	597 Canal street	Dresser
Cain, Earl J.	5 Waldo street	Carpenter
Casey, James J.	67 Nonotuck street	Carriage Maker
Chalmers, Thomas W.	98 Beacon avenue	Agent
Clough, James A.	281 Hampden street	Architect
Cummings, Owen D.	72 Beacon avenue	Roofer
Cotter, William H.	Farnum street	Hol. St. Railway Co.
Caney, Charles A.	292 Chestnut street	U. S. Envelope Co.
Carolon, Cornelius	424 Maple street	Holyoke Paper Co.
Caissy, Arthur J.	145 Cabot street	Weaver
Clark, Robert	447 High street	Paper maker
Church, Ralph E.	348 Maple street	Trimmer
Cooley, Edward H.	125 Newton street	Molder
Cobb, Henry	53 Commercial street	Beebe & Holbrook Co.

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NAME.	RESIDENCE.	OCCUPATION.
Cramer, Edward	168 Cabot street	Bookbinder
Crosby, Harry	400 Maple street	Agent
Cunningham, Henry P.	16 Worcester place	Machine fixer
Curran, Maurice	98 Sargeant street	Laborer
Cronin, Cornelius	51 Bond street	Retired
Cronin, James	51 Bond street	Nat. Blank Book Co.

D

Deen, Patrick	35 Elm street	Parsons Paper Co.
Doherty, Cornelius	57 Chestnut street	Prentiss Wire Mill
Dowd, Francis W.	222 Lyman street	Barber
Dowdall, George	211 Lyman street	Holyoke Paper Co.
Driscoll, Stephen	39 Elm street	Clerk
Driscoll, James J.	35 Elm street	Cigar Maker
Dixon, James	125 Dwight street	Watchman
Decker, James T.	138 Beech street	Papermaker
Dufresne, Thomas C.	141 Lyman street	Pool Room
Durnin, James	45 Front street	Papermaker
Dennehy, Dennis	110 Hampden street	Whiting Paper Co.
Durnin, Thomas J.	18 Clinton avenue	Merchant
Dugas, George H.	77 Race street	Laborer
Ducharme, Valere	270 Main street	Grocer
Daze, Wilfred	332 Main street	Molder
Desroche, Joseph	38 Bridge street	Expressman
Daze, Fred	28 Cabot street	Molder
Dougherty, Barney	529 Bridge street	Core Maker
Danehey, John J.	85 Bridge street	Hampden Glazed
Denault, Joseph G.	3 Appleton street	Laborer
Doucette, William	11 Spring street	Holyoke St. Ry. Co.
Dansereau, Francois H.	4 Willow street	Marble Works
Dean, Joseph	24 Willow street	Alpaca
Donoghue, Bartholomew Jr.	427 Elm street	Holyoke Machine Co.
Denton, Robert J.	456 Maple street	Grain Dealer
Davis, Charles S.	65 Lincoln street	Livery
Deane, Ezra L.	95 Pleasant street	Deane & Co.

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NAME.	RESIDENCE.	OCCUPATION.
Delaney, James J.	34 Arlington street	
Dickey, James F.	40 Fairfield avenue	Prentiss Brooks & Co.
Donnelly, Peter J.	327 Dwight street	Steamfitter
Davis, Charles B.	283 Linden street	Stable
Delaney, James E.	205 Oak street	Contractor
Delaney, William H.	Lynwood avenue	Painter
Danehey, Michael F.	456 Maple street	Merricks
Dean, Eugene	446 Maple street	Fireman
Demers, Hormisdas	280 Maple street	Photographer
Dougherty, Arthur J.	202 Appleton street	Bookkeeper
Downing, Michael	390 High street	Paper Mill
Downing, Thomas F.	10 Newton street	Bausch Co.
Dowd, Edward F.	109 Sargeant street	Brick Mason
Drummond, John	293 Chestnut street	Skinner Mfg. Co.

E

Edwards, Joseph B.	81 Bond street	Printer
Egan, Jeremiah J.	53 Chestnut street	Teamster
Elliott, Palmer B.	4 Glen street	Gardener
Ezold, Bruno	36 Vernon street	Laborer
Egan, Jeremiah	456 Maple street	Papermaker

F

Fahey, Timothy	56 Pine street	Mason Tender
Fenton, John J.	45 Elm street	Carriage Maker
Fitzgerald, Maurice C.	34 Elm street	Carpenter
Farrell, Daniel E.	131 Maple street	Canvasser
Feighery, Frank	115 Elm street	Insurance Agent
Fox, John	133 High street	Undertaker
Fahey, Patrick	87 Walnut street	Laborer
Ferris, George B.	15 School street	Merrick Thread Co.
Finn, John J.	283 Dwight street	Merchant
Flynn, Maurice B.	270 Main street	White & Wyckoff
Fontaine, Joseph B.	666 East street	Baker

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NAME.	RESIDENCE.	OCCUPATION.
Flynn, Daniel	121 Center street	White & Wyckoff
Foley, Patrick J.	54 Summer street	Grocer
Farrell, Owen F.	15 Spring street	Farr Alpaca
Farr, Fred	6 Willow street	Papermaker
Feather, Frank	14 Washington avenue	Tinner
Fredericks, Hugo	533 Northampton street	Plumber
Fitzgerald, James J.	85 Jackson street	Holyoke Paper Co.
Ford, Charles J.	312 Hampden street	Salesman
Fowler, Joseph H.	228 Northampton street	Builder
Fay, Collamore T.	175 Beech street	Retired
Feeney, Thomas	32 Essex street	Machinist
Farrell, Edward	294 Chestnut street	Wire Weaver
Fitzgerald, Garrett	115 Cabot street	Carpenter
Fitzgerald, James J.	117 Cabot street	Mill Operative
Fitzgerald, Michael	27 Newton street	N. Y., N. H. & H. R. R.
Fisher, Charles A.	680 High street	Dresser Tender
Flaherty, Michael D.	641 High street	Nat. Blank Book Co.
Flynn, Thomas	733 High street	Holyoke Machine Co.
Flynn, Simon A.	662 High street	Druggist
Fox, John P.	31 Commercial street	Farr Alpaca Co.
Fogarty, Michael J.	408 Maple street	Motorman
Freeman, Peter Jr.	420 Maple street	Produce Dealer
Ford, Alexander T.	106 Newton street	Teamster
Fox, Patrick	7 Franklin street	Farr Alpaca Co.

G

Gallivan, Bartholomew	36 Chestnut street	Polisher
Gleason, Daniel	59 Chestnut street	Lyman Mills
Greene, Patrick	105 Walnut street	Watchman
Griffin, Joseph F.	101 Pine street	Machinist
Griffin, John A.	63 Elm street	Painter
Garvey, Thomas J.	276 High street	Clerk
Geran, Dennis F.	129 Walnut street	Clerk
Goss, Elbert E.	255 High street	Paper Mill

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NAME.	RESIDENCE.	OCCUPATION.
Griswold, Albert E.	237 Maple street	Packer
Gordon, Michael J.	113 High street	Mason
Gillette, Wilbur F.	176 Pleasant street	Bookkeeper
Gear, Patrick	16 Center street	Machinist
Gobeil, Frank H.	60 Center street	Clerk
Gauthier, John R.	107 Park street	Molder
Gibson, Thomas J.	70 East Dwight street	Roofer
Goodrich, Charles H.	12 Grover street	Hadley Co.
Green, George A.	32 Center street	Eureka Bindery
Grise, Arthur E.	341 Main street	Butcher
Garvey, Thomas J.	112 Chapin street	Merricks
Gates, Seymour E.	148 South street	Real Estate Agent
Godere, Leon	65 Brown avenue	Dry Goods
Goodyear, Austin B.	4 Washington avenue	Milk Peddler
Gardner, William	62 Commercial street	Linden Paper Co.
Geissler, Gustave A.	15 Vernon street	McLean Bros.
Geissler, Carl F.	597 Canal street	Laborer
Geissler, Max G.	13 James street	Bindery
Gault, James J.	126 Pleasant street	Merricks
Gilligan, Michael H.	219 Hampden street	Lyman Mills
Gallagher, Patrick	411 Maple street	Engineer
Glenn, Henry	10 Bristol Place	Retired
Goddu, Frank B.	679 High street	Grocer
Girard, George	57 Bond street	Whiting Paper Co.
Goodhind, Charles	12 Newton street	Teamster
Graham, James H.	456 Maple street	Printer
Griffin, Patrick J.	672 High street	Hackman
Grady, James	35 Elm street	Merchant

H

Hancock, Thomas F.	128 Oak street	Parsons Paper Co.
Hawkins, James T.	139 Chestnut street	Papermaker
Hannifin, James J.	57 Chestnut street	Lunch Cart
Haley, John	39 Elm street	Papermaker
Hand, Peter	39 Front street	D. Mackintosh & Sons Co.

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NAME.	RESIDENCE.	OCCUPATION.
Hifle, Michael P.	21 Linden street	Butcher
Hamel, Alphonse	125 Main street	Singer Mfg. Co.
Hennick, Frederick W.	87 Race street	Painter
Hall, Fred C.	33 West street	Insurance Agent
Hunter, Charles C.	52 Canal street	Hadley Co.
Hagerty, Cornelius	69 East street	Crocker Paper Co.
Hanson, Charles E.	95 Sycamore street	H. W. P. Co.
Hardman, Samuel	29 Brown avenue	Linden Paper Co.
Hogan, Patrick	45 View street	Milk Peddler
Harty, James J.	27 Gates street	Painter
Hills, George H.	9 Lawler avenue	Hol. Machine Co.
Humeston, Thomas R.	Back street	Holyoke Paper Co.
Hartling, August	38 Vernon street	Wm. Skinner Mfg. Co.
Hartling, Herman	38 Vernon street	Wm. Skinner Mfg. Co.
Holl, Peter	697 Main street	Carpenter
Hyde, James H.	62 Commercial street	City Foundry
Hillman, Herbert E.	341 Dwight street	Agent
Houston, Henry S.	179 Northampton street	Bookkeeper
Hanson, Otto	202 Walnut street	Valley Paper Co.
Hardyman, William	75 Sycamore street	Holyoke Paper Co.
Hewlett, Jesse H.	46 Suffolk street	Excelsior Paper Co.
Hodge, James L.	244 Pine street	Retired
Hofmeyer, George	Rock Valley	Blacksmith
Hamilton, Abraham	15 Newton street	Paper Finisher
Hanlon, John J.	292 Chestnut street	Butcher
Hartnett, Jeremiah Jr.	643 High street	Expressman
Harvey, Thomas J.	296 Chestnut street	Skinner Mfg. Co.
Harrop, Samuel R.	354 Maple street	Farr Alpaca Co.
Hennessy, Thomas J.	513 High street	Plumber
Hinchcliffe, Joseph A.	446 Maple street	Mass. Screw Co.

I

Ingraham, Henry B.	29 Myrtle avenue	Farmer
Ironsides, William	807 High street	Norman Paper Co.

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J

NAME.	RESIDENCE.	OCCUPATION.
Jasmin, Joseph	201 Main street	Retired
Joyce, James	104 Center street	Papermaker
Julien, Arthur	287 Main street	Papermaker
Jones, Fred D.	46 Suffolk street	Mass. Screw Co.
Johnson, Michael J.	139 Sargeant street	Mason
Johnson, Robert M.	649 High street	Real Estate Agent

K

Kieley, John J.	113 Maple street	Nat. Blank Book Co.
Kidney, James	196 Lyman street	B. & M. Freight
Kelley, William F.	29 Fountain street	Clerk
Kelliher, Maurice	121 Oak street	Papermaker
Kearns, Michael J.	275 Main street	Plumber
Keyes, Michael	18 Summer street	Papermaker
Keate, Alexander W.	21 Washington avenue	Jolly Bros.
Koegel, William	91 Brown avenue	
Koehler, Paul H.	41 Carlton street	Insurance Agent
Kelly, Michael J.	70 Brown avenue	Hol. Machine Co.
Kreuter, Jacob	5 Avon place	Merricks
Kegan, Herbert C.	162 Lincoln street	Steam Fitter
Kinney, Edward	1 Fairfield avenue	Tilley & Co.
Kane, John T.	643 High street	Mass. Screw Co.
Keane, Patrick J.	370 High street	Machinist
Keating, Thomas	25 Commercial street	Merrick No. 2
Kilian, Frederick	5 Hampshire street	Bookkeeper
King, Neil C.	680 High street	Paper Mill
Kinnevan, Thomas J.	8 Hampshire street	Shipper
Kostenbader, Frederick W.	292 Maple street	Caterer

L

Lynch, Thomas J.	124 Maple street	Merchant
Lamontagne, Abel	231 High street	Pool Room
Levesque, J. Ernest	339 Main street	Insurance Agent
Leduc, Hormisdas	10 Spring street	Barber

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NAME.	RESIDENCE.	OCCUPATION.
Leary, Daniel	64 Mosher street	Albion Paper Co.
Lambert, William	73 East street	Whiting Paper Co.
Lafrance, William	11 Mosher street	Collector
Lamagdelaine, Romuald O.	525 Summer street	Printer
Le Doyt, George H.	457 Northampton street	Retired
Little, Arthur W.	1 Cook street	Merrick Lumber Co.
Lapointe, Alexander N.	68 Brown avenue	Collector
Lowcock, John	18 Myrtle avenue	Alpaca
Lowell, Harry I.	20 Gilman street	Painter
Lynds, George H.	11 Harrison avenue	Bookkeeper
Lauckner, Gustave O.	23 South street	Clothier
Leidner, Albert O.	13 James street	Painter
Lyman, Eugene K.	97 Beacon avenue	Merchant
Labrecque, Felix J.	397 Maple street	Machinist
Lang, Andrew	20 Worcester place	Alpaca
Langevin, Frank,	108 Sargeant street	Alpaca
Leary, Daniel J.	364 Maple street	Clerk
Lee, John H.	72 Newton street	Blacksmith
Lippman, Louis E. Jr.	16 Plymouth street	Roofer
Lippman, George	401 Maple street	Pressman
Linehan, Frank	450 Maple street	Plumber
Lowe, John	14 Worcester place	Farr Alpaca Co.

M

McManus, John	190 Dwight street	Molder
Murphy, John P.	110 High street	Steamfitter
Mahoney Thomas F.	187 Lyman street	Lyman Mills
Morrison, William J.	38 Walnut street	Plumber
Mercure, Francis	46 Union street	Wm. Skinner Mfg. Co.
Malcolm, Allen J.	246 Maple street	Wire Weaver
Maloney, James H.	176 Dwight street	Engineer
McCrohan, Patrick J.	1 Whiting avenue	Beebe & Holbrook Co.
McTigue, James	131 Pine street	Bookkeeper
Mulligan, Thomas,	121 Walnut street	Fireman
Murphy, Patrick	130 Pine street	Mill Operative

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NAME.	RESIDENCE.	OCCUPATION.
Meyers, George	123 Oak street	Merricks
Mangum, John J.	146 Pleasant street	Papermaker
Meehan, Richard V.	201 Dwight street	Papermaker
Miller, Ira A.	171 Dwight street	Lyman Mills
Murray Joseph A.	94 Beech street	Plumber
Maley, Patrick	44 Walnut street	Papermaker
Moores, Joseph	193 Dwight street	Fireman
Millette, John A.	149 Lyman street	Laborer
Maley, David J.	30 Mosher street	City
Mowbrey, Joseph	9 Center street	Hampden Glazed
Murphy, Timothy	31 Hamilton street	Laborer
Miner, Frank	87 Park street	Plasterer
Moreland, William J.	411 Main street	Papermaker
Marcotte, Antoine	342 Main street	Real Estate Agent
Mannix, Jeremiah	51 Bridge street	Whiting Paper Co.
Messier, Victor	585 Bridge street	Agent
McElwain, Alexander	21 West street	White & Wyckoff
McLean, Thomas	22 Sargeant street	Clerk
McLean, William	22 Sargeant street	Excelsior Paper Co.
McCabe, James	26 East Dwight street	Hampden Glazed
McCauley, Charles F.	70 Lyman street	Whiting Paper Co.
McGrath, Martin	67 Center street	Papermaker
Mahoney, Patrick A.	45 Brown avenue	Clerk
Martineau, Edward N.	49 View street	Teamster
McLean, Hugh Jr.	8 Glen street	Merchant
Merrick, Charles I.	454 Northampton street	
Murray, David F.	56 Chapin street	Carpenter
Mann, Max Oscar	15 Vernon street	Painter
Mutter, William K.	42 Adams street	Clerk
Morrill, Harvey F.	6 Fairfield avenue	Insurance Agent
Murphy, John H.	8½ Taylor street	Conn. R. L. Co.
Marshall, Henry	St. James street	Merrick Lumber Co.
McNab, William	292 Locust street	Hampshire Paper Co.
Montague, Isaac W.	243 Oak street	Retired
Major, Frank E.	18 Newton street	Painter

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NAME.	RESIDENCE.	OCCUPATION.
Marrin, James J.	428 Maple street	Druggist
Masterson, Benjamin F.	51 Bond street	Paper Ruler
McCabe, John	314 Maple street	Crocker Mfg. Co.
McCarthy, Frank J.	112 Newton street	Farr Alpaca Co.
McCormick, Michael	27 Commercial street	Stone Cutter
McGarry, Thomas F.	110 Newton street	Whiting Paper Co.
McGrath, William	79 Bond street	Riverside Paper Co.
McKinnon, William	67 Bond street	Carpenter
McNairn, James	122 Newton street	Farr Alpaca Co.
McNairn, John	420 Maple street	Shoemaker
Moriarty, Edward	350 High street	Deane Steam Pump Co.
Munroe, Philip J.	336 Maple street	Ely Lumber Co.
Murphy, James P.	145 Cabot street	Baker

N

Nelligan, Dennis F.	57 Chestnut street	Bricklayer
Noonan, Jeremiah F.	56 Chestnut street	
Nolan, Joseph P.	82 Maple street	Clerk
Norton, Edward G.	119 Pine street	Merchant
Nolan, Edward P.	179 Dwight street	Painter
Nutley, John Jr.	73 East street	Crocker Paper Co.
Neilon, John	96 West street	Hol. St. Railway Co.
Newsome, Joseph	13½ Washington avenue	Prentiss Wire Co.
Nye, Henry L.	451 Northampton street	Hol. Belting Co.
Naylor, John	482 Maple street	Farr Alpaca Co.
Neumann, Karl A. H.	294 Park street	Cigar Manufacturer
Newton, J. Bertram	159 Chestnut street	Manufacturer
Nicoll, Augustus W. Jr.	326 Maple street	Telephone Office

O

O'Connell, Edward P.	213 Dwight street	Merchant
O'Connor, Frank D.	87 Walnut street	Farr Alpaca Co.
O'Connor, Edward M.	99 Maple street	Printer
O'Brien, Alexander	55 Pine street	Carriage Trimmer

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NAME.	RESIDENCE.	OCCUPATION.
O'Connor, John J.	80 Maple street	Teamster
O'Donnell, Joseph A.	219 Lyman street	Undertaker
O'Connor, Timothy J.	55 Chestnut street	Cigar Manufacturer
O'Leary, Cornelius	65 East street	Papermaker
O'Connell, Henry J.	60 Mosher street	Papermaker
O'Connor, Maurice J.	138 Nonotuck street	Printer
O'Neill, Lawrence A.	179 Walnut street	Insurance
O'Brien, Patrick J.	332 Maple street	Barber

P

Pease, Clarence E.	136 Elm street	Barber
Poyer, Henry	138 Dwight street	Painter
Provost, Henry	563 Summer street	Insurance Agent
Perry, William M.	30 Ely street	Lyman Mills
Perry, Charles J.	99 Race street	Merrick Thread Co.
Pratt, Edward	101 West street	Albion Paper Co.
Provost, Bruno	580 East street	Painter
Payan, Rock J.	342 Main street	Clerk
Porter, Horatio A.	81 Race street	Machinist
Peters, Gustave	193 Park street	Machinist
Provost, Peter	579 Summer street	Laborer
Pomeroy, Frederick	23 Clark street	Papermaker
Poehler, Herman	31 Vernon street	Painter
Parfitt, William H.	310 Hampden street	Painter
Parsons, George S.	23 Howard street	Parsons No. 2
Pearsons, George T.	Harvard street	Real Estate Agent
Prentiss, Robert T.	1 Taylor street	Retired
Proulx, Daniel	270 Walnut street	Real Estate Agent
Partridge, William H.	409 Maple street	Plumber
Pierce, Frank G.	117 Cabot street	Hol. Machine Co.
Potvin, William S.	20 Hampshire street	Whiting Paper Co.
Prescott Joseph P.	22 Suffolk street	

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Q

NAME.	RESIDENCE.	OCCUPATION.
Quigley, Michael F.	356 Maple street	Expressman
Quirk, Thomas	89 Fountain street	John T. F. MacDonnell
Quinn, William J.	93 Elm street	Case Maker

R

Riley, William T.	144 Dwight street	Salesman
Reardon, John	245 Dwight street	Clerk
Regan, Nicholas,	27 Clinton ave	H. W. P. Co.
Robert, Clovis	340 Main street	Retired
Ratelle, Oliva	205 Park street	Butcher
Richards, Louis M.	51 Canal street	Hadley Co.
Robinson, William	86 Canal street	Albion Paper Co.
Ryan, Michael	136 East street	Albion Paper Co.
Ryan, John H.	58 West street	Hampden Glazed
Reed, John P.	24 Clark street	Riverside Paper Co.
Rogers, Kossuth J.	45 Laurel street	Painter
Rogers, Sidney S.	171 Pleasant street	Crocker Paper Co.
Riley, Andrew	Munroe street	Sausage Maker
Rae, John L.	202 Appleton street	Wire Weaver
Raynolds, Samuel,	236 Elm street	Holyoke Machine Co.
Reid, David	136 Cabot street	Plumber
Regan, James J.	366 Maple street	Retired
Ricker, Fred N.	350 Maple street	Engineer
Reynolds, Thomas F.	406 Maple street	Mason
Rugg, Edward H.	315 Maple street	Clerk

S

Sanderson, George W.	397 Maple street	Chadwick Plush Co.
Sargent, Robert D.	296 Maple street	Merricks
Savoy, George A.	238 Elm street	Nat. Blank Book Co.
Seibel, John Jr.	125 Newton street	Paper Mill Operative
Sharpe, Frank A.	586 High street	Tinner
Shea, Michael	202 Appleton street	Clerk

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NAME.	RESIDENCE.	OCCUPATION.
Simmons, Edgar S.	7 Essex street	American Pad Co.
Sinclair, John R.	316 Maple street	Dandy Roll Maker
Skilling, Thomas	63 Newton street	Dyer
Smith, Theodule	456 Maple street	Clerk
Sullivan, Michael D.	415 Maple street	Holyoke Machine Co.
Sweeney, Thomas E.	670 High street	Printer
Swords, John J.	426 Maple street	Conductor
Stedman, Wilbur H.	332 Maple street	Papermaker
Still, Arthur J.	178 Chestnut street	Merricks
Stocks, John W.	18 Newton street	Tinner
Street, Franklin M.	190 Chestnut street	Salesman
Smith, Thomas S.	149 Beech street	Merricks
Sill, William A.	344 Dwight street	Teamster
Sutcliffe, George W.	155 Beech street	Transcript Pub. Co.
Sawin, Albert E.	38 Taylor street	Ely Lumber Co.
Sawyer, Charles P.	67 Pearl street	Machinist
Shea, Richard	92 Nonotuck street	Foreman
Sumner, William J.	43 Waldo street	Coburn
Steiner, Albert	622 Bridge street	Janitor
Schmidt, John	664 Bridge street	Boarding House
Slate, Edmond J.	246 Sargeant street	Machinist
Slayton, Simeon B.	72 Brown avenue	Millwright
Smith, Enos D.	101 Brown avenue	Whiting Paper Co.
Steele, Ernest S.	50 Laurel street	F. C. Steele
Streeter, Philander A.	15½ Willow street	Machinist
Sutcliffe, Samuel	229 Main street	Skinner Mfg.Co.
Sullivan, John	126 Center street	Papermaker
Smith, Charles H.	40 Canal street	Hadley Co.
Smith, Albert	321 Main street	Jeweler
Sullivan, Michael	76 East street	Papermaker
Sullivan, Michael	73 East street	Papermaker
Sullivan, Edward J.	65 Center street	Machinist
Sullivan, J. Henry	199 Lyman street	Merchant
Sullivan, Joseph	199 Lyman street	B. & M. R. R. Co.
Sullivan, Patrick J. B.	33 Elm street	Hol. St. Ry. Co.

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NAME.	RESIDENCE.	OCCUPATION.
Sheehan, John T.	27 Elm street	Merchant
Sampson, Edward	24 Hampden street	Beebe & Holbrook Co.
Sheehan, John Jr.	208 Hampden street	Papermaker
Smith, James E.	5 Brooks ave	Deane Steam Pump Co.
Sparrow, William A.	175 Dwight street	Plumber
Stanton, Patrick G.	15 Linden street	Bookbinder
Sullivan, Frank J.	295 Dwight street	Clerk
Smith, Patrick J.	246 Lyman street	Printer
Shea, Patrick A.	196 Lyman street	Lyman Mills
Sheehan, John F.	59 Front street	Molder
Spencer, Henry B.	83 Front street	Telegraph Operator

T

Tracy, Clifford	108 High street	Paper Mill Operative
Taft, Michael	164 Dwight street	Steam Fitter
Tuttle, Thomas W.	115 Elm street	Photographer
Tetrault, Adolphe	342 Main street	Barber
Tomlinson, John A.	70 Canal street	Hol. St. Ry. Co.
Therrien Alfred	17 Bowers street	Ticket Agent
Tucker, Thomas J.	113 Bowers street	Hadley Co.
Thornton, Edward J.	79 Main street	Papermaker
Thayer, Henry L.	119 South street	Ruler
Tracy, George S.	3 Cook street	Baker-Vawter Co.
Taylor, John J.	646 Summer street	Clerk
Tiedemann, Max K.	66 Commercial street	Clerk
Tiedemann, Gustave E.	617 South Bridge street	Clerk
Thorpe, George L.	43 Pearl street	Builder
Tilley, Trenor P.	181 Northampton street	Tilley & Co.
Temple, James	221 Chestnut street	Nat. Blank Book Co.
Tulloch, Archibald	304 Chestnut street	Machinist

U

Upton, James M.	186 Pine street	Holyoke Machine Co.

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V

Valcourt, Emery	370	Maple street	Painter
Vaughn, James	49	Newton street	Whitmore Mfg. Co.
Van Valkenburgh, Charles E.	111	Newton street	Painter

W

Wade, Frank H.	139	Beech street	Compositor
Wylie, Albert	109	Dwight street	
Ward, Martin	164	Dwight street	White & Wyckoff Co.
Waters, Owen	137	Beech street	Merrick Thread Co.
White George J.	133	Beech street	Box Shop
Wrinkle, Lawrence E.	135	Pine street	Clerk
Wood, John M.	118	Walnut street	Papermaker
Widdowson, William	8	Center street	Hadley Co.
Whalley, Thomas	67	Lyman street	Mule Spinner
Walsh, Joseph B.	100	East street	Merrick Thread Co.
Waite, David E.	104	Chapin street	Contractor
Watts, Jonas A.	19	Clark street	Janitor
Wilms, Gustave A.	10	Cook street	Bookkeeper
Williamson, Alexander S.	106	South street	Alpaca
Winchester, Samuel B.	5	Laurel street	H. W. P. Co.
Wood, Moses		Hitchcock street	Laborer
Whitehead, Horatio	319	Park street	Retired
Wood, John W.	5	Avon place	Janitor
Wagstaff, Joseph	87	Nonotuck street	Hadley Co.
Williams, Daniel M.	47	Taylor street	Parcel Delivery
Wall John	272	Pine street	Stone Cutter
Whitcomb, Marciene H.	161	Walnut street	Real Estate Agent
Wilkinson, Thomas H.	234	Walnut street	Alpaca
Williams, John B.	209	Walnut street	Real Estate Agent
Wall, John E.	123	Newton street	Machinist
Walsh, James	117	Cabot street	Grocer
Warner, Samuel C.	19	Essex street	Riverside Paper Co.
Warren, Ernest E.	202	Appleton street	Printer
Webber, Frank C.	6	Essex street	Deane Steam Pump Co.

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Y

NAME.	RESIDENCE.	OCCUPATION.
Young, Miles K.	283 Walnut street	Alpaca

Prepared in accordance with the requirements of Chapter 176 of the Revised Laws of Massachusetts.

TIMOTHY J. O'CONNOR,
THOMAS STANSFIELD,
CHARLES U. ROY,
JOHN F. SHEEHAN, CLERK.
Board of Registrars of Voters.

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CITY OFFICERS.

CITY GOVERNMENT FOR 1874.

Mayor, W. B. C. PEARSONS.

ALDERMEN.

WARD.	WARD.
1—William Grover.	5—John O'Donnell.
2—H. A. Chase.	6—G. W. Prentiss.
3—Aug. Stursberg.	7—J. F. Allyn.
4—John H. Wright.	Clerk, E. A. Ramsay.

COMMON COUNCILMEN.

President, C. H. Heywood.

Ward 1—Curtis Moore, James Ruddy, William Ruddy.
Ward 2—G. W. Burditt, C. B. Harris, S. F. Stebbins.
Ward 3—Martin Lawler, F. Kreimendahl, Matthew Walsh.
Ward 4—W. D. Higgins, H. G. Pierce, A. C. Pratt.
Ward 5—Maurice Lynch, John O'Connell, J. A. Sullivan.
Ward 6—John Delaney, C. H. Heywood, Timothy Merrick.
Ward 7—R. M. Fairfield, H. A. Pratt, Reuben Winchester.
Clerk—C. W. Rider.

City Clerk—E. A. Ramsay.
City Treasurer—C. W. Ranlet.
Messenger—J. H. Clifford.

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CITY GOVERNMENT FOR 1875.

Mayor, W. B. C. PEARSONS.

ALDERMEN.

WARD.	WARD.
1—William Grover.	5—Edw. O'Connor.
2—H. A. Chase.	6—G. W. Prentiss.
3—Matthew Walsh.	7—J. F. Allyn.
4—John H. Wright.	Clerk, E. A. Ramsay.

COMMON COUNCILMEN.

President, C. H. Heywood.

Ward 1—John Moore, James Ruddy, William Ruddy.
Ward 2—C. B. Harris, Fred Morrison, G. H. Smith.
Ward 3—Richard Gilday, F. Kreimendahl, Henry Winkler.
Ward 4—S. J. Donahue, Peter McKeon, E. A. Newton.
Ward 5—B. F. Bigelow, D. H. Donoghue, J. R. Donoghue.
Ward 6—John Delaney, C. H. Heywood, Timothy Merrick.
Ward 7—Horace Brown, Chester Strong, Reuben Winchester.
Clerk, C. W. Rider.

City Clerk—E. A. Ramsay.
City Treasurer—William Whiting.
Messenger—J. H. Clifford.

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CITY GOVERNMENT FOR 1876.

Mayor, W. B. C. PEARSONS.

ALDERMEN.

WARD.	WARD.
1—William Ruddy.	5—Maurice Lynch.
2—C. B. Harris.	6—C. H. Heywood.
3—H. Springborn.	7—J. F. Allyn.
4—S. J. Donoghue.	Clerk, E. A. Ramsay.

COMMON COUNCILMEN.

President, G. H. Smith.

Ward 1—James Barnes, John Moore, A. B. Tower.
Ward 2—Chalmers Chapin, G. H. Smith, E. Whitaker.
Ward 3—Joseph Mellor, J. N. Thayer, J. S. Webber.
Ward 4—C. D. Colson, Daniel Ford, V. J. O'Donnell.
Ward 5—B. F. Bigelow, Michael Downing, D. M. Manning.
Ward 6—A. D. Barker, J. E. Delaney, J. H. Newton.
Ward 7—H. C. Ewing, S. T. Lyman, Reuben Winchester.
Clerk, C. W. Rider.

City Clerk—E. A. Ramsay.
City Treasurer—William Whiting.
Messenger—J. H. Clifford (deceased), J. R. Howes.

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CITY GOVERNMENT FOR 1877.

Mayor, R. P. CRAFTS.

ALDERMEN.

WARD.	WARD.
1—M. J. Teahan.	5—D. H. Donoghue.
2—G. H. Smith.	6—C. H. Heywood.
3—H. Springborn.* / A. Stursberg.	7—G. P. Ellison.
4—S. S. Donoghue.	

COMMON COUNCILMEN.

President, C. D. Colson.

Ward 1—John Ford, Richard Patte, C. O. Warner.
Ward 2—Chalmers Chapin, F. P. Goodall, Isaac Tirrell.
Ward 3—A. G. Rideout, James Stafford, J. N. Thayer.
Ward 4—C. D. Colson, Michael Lynch, M. M. Mitivier.
Ward 5—Michael Cleary, Stephen Maloney, D. E. Sullivan.
Ward 6—E. W. Chapin, E. A. Ramsay, Porter Underwood.
Ward 7—John Merrick, Edwin Perkins, John Street.
Clerk—C. W. Rider.

City Clerk—J. E. Delaney.
City Treasurer—C. W. Ranlet.
Messenger—J. R. Howes.

*—Resigned.

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CITY GOVERNMENT FOR 1878.

Mayor, WILLIAM WHITING.

ALDERMEN.

WARD.		WARD.	
1—	T. S. Grover.	4—	C. D. Colson.
2—	C. B. Harris.*	5—	D. E. Sullivan.
	G. H. Smith.	6—	William Skinner.
3—	A. Stursberg.†	7—	G. P. Ellison.
	James Stafford.		Clerk, J. E. Delaney.

COMMON COUNCILMEN.

President, F. P. Goodall.

Ward 1—T. L. Keough, J. W. Moore, W. E. Syms.

Ward 2—F. P. Goodall, F. Morrison, Isaac Tirrell.

Ward 3—A. G. Rideout, James Stafford, E. F. Sullivan.

Ward 4—James P. Casey, T. J. Ryan, Didace Sainte-Marie.

Ward 5—Stephen Maloney, E. O'Connor, Thomas Pendergast.

Ward 6—Henry C. Cady, J. S. McElwain, Levi Perkins.

Ward 7—John Merrick, Edwin Perkins, John Street.

Clerk—Simon Brooks.

City Clerk—James E. Delaney.

City Treasurer—C. W. Ranlet.

Messenger—J. R. Howes.

*—Died March 11, 1878. †—Resigned.

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CITY GOVERNMENT FOR 1879.

Mayor, WILLIAM WHITING.

ALDERMEN.

WARD.	WARD.
1—William Ruddy.	5—D. E. Sullivan.
2—F. R. Norton.	6—William Skinner.
3—Henry Winkler.	7—William S. Perkins.
4—Charles D. Colson.	Clerk, J. E. Delaney.

COMMON COUNCILMEN.

President, John O'Donnell.

Ward 1—G. C. Ainslie, James Greeley, John D. Walsh.

Ward 2—John E. Bronson, John B. Hart, Franklin P. Goodall.

Ward 3—John L. Martin, P. J. Sheridan, M. J. Ryan.

Ward 4—Victor Guyott, Peter McKeon, T. J. Ryan.

Ward 5—Thomas Dillon, Michael Downing, John O'Donnell.

Ward 6—H. C. Cady, J. S. McElwain, Levi Perkins.

Ward 7—Berijah H. Kagwin, Origen H. Merrick, Marden W. Prentiss.

Clerk—Simon Brooks.

City Clerk—James E. Delaney.

City Treasurer—James R. Howes.

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CITY GOVERNMENT FOR 1880.

Mayor, WILLIAM RUDDY.

ALDERMEN.

WARD.	WARD.
1—John D. Walsh.	5—John O'Donnell.
2—F. R. Norton.	6—Charles A. Corser.
3—Henry Winkler.	7—William S. Perkins.
4—James P. Casey.	Clerk, J. E. Delaney.

COMMON COUNCILMEN.

President, James Greeley.

Ward 1—John Ford, James Greeley, Casper Ranger.

Ward 2—John E. Bronson, John B. Hart, George W. Maher.

Ward 3—John L. Martin, Patrick J. Sheridan, John McDonald.

Ward 4—Pierre Bonvouloir, Cornelius D. Geran, Timothy J. Ryan.

Ward 5—Michael Cleary, Michael Downing, Timothy Haley.

Ward 6—Charles B. Davis, Hervey K. Hawes, Edwin A. Whiting.

Ward 7—Berijah H. Kagwin, Origen H. Merrick, John B. Munn.

Clerk—Simon Brooks.

City Clerk—James E. Delaney.

City Treasurer—C. W. Ranlet.

Messenger—Charles M. Hackett.

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CITY GOVERNMENT FOR 1881.

Mayor, F. P. GOODALL.

ALDERMEN.

WARD.	WARD.
1—Casper Ranger.	5—D. J. Landers.
2—Fred Morrison.	6—E. A. Whiting.
3—P. J. Sheridan.	7—R. Winchester.
4—Thomas Dillon.	Clerk, J. E. Delaney.

COMMON COUNCILMEN.

President, Hervey K. Hawes.

Ward 1—Michael Collins, James Greeley, Samuel S. Chapman.

Ward 2—Royal C. Dickinson, Sumner T. Miller, Dwight O. Judd.

Ward 3—Herbert Hicks, Lyman F. Thorpe, Charles R. Heubler.

Ward 4—George Hart, Cornelius D. Geran, Dennis E. Herbert.

Ward 5—James S. Lee, John F. Shea, Thomas Pendergast.

Ward 6—Amos Andrews, Hervey K. Hawes, Henry H. Smith.

Ward 7—Charles C. Hastings, Lyman B. Moore, John B. Munn.

Clerk—Simon Brooks.

City Clerk—J. E. Delaney.
City Treasurer—C. W. Ranlet.
Messenger—Charles M. Hackett.

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CITY GOVERNMENT FOR 1882.

Mayor, ROSWELL P. CRAFTS.

ALDERMEN.

WARD.	WARD.
1—Casper Ranger.	5—John O'Donnell.
2—Isaac Tirrell.	6—William A. Chase.
3—C. R. Heubler.	7—W. T. Dean.
4—Thomas Dillon.	Clerk, J. E. Delaney.

COMMON COUNCILMEN.

President, Amos Andrews.

Ward 1—William Brennan, James Spillane, William H. Jess.

Ward 2—E. R. Pierce, Joseph Beauchemin, George W Richards.

Ward 3—J. K. McCarthy, D. Driscoll, W. E. O'Keefe.

Ward 4—Dennis E. Herbert, P. J. Connor, J. J. Prew.

Ward 5—Maurice Lynch, Thomas Pendergast, Michael O'Keefe.

Ward 6—Amos Andrews, H. H. Smith, Joseph A. Snell.

Ward 7—C. C. Hastings, L. L. Hooker, A. N. Ricker.

Clerk—J. F. Stapleton.

City Clerk—J. E. Delaney.

City Treasurer—C. W. Ranlet.

Messenger—Charles M. Hackett.

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CITY GOVERNMENT FOR 1883.

Mayor, ROSWELL P. CRAFTS.

ALDERMEN.

WARD.	WARD.
1—Casper Ranger.	5—John O'Donnell.
2—Isaac Tirrell.	6—Charles A. Corser.
3—John T. Lynch.	7—W. T. Dean.
4—Thomas Dillon.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, C. O. Warner.

Ward 1—William H. Jess, John M. Sheridan, M. C. Browne.
Ward 2—Pierre Benoit, George W. Richards, C. O. Warner.
Ward 3—J. K. McCarthy, D. W. Driscoll, Peter J. Westphal.
Ward 4—Dennis E. Herbert, Frank S. Lynch, J. J. Prew.
Ward 5—P. J. Landers, John O'Connell, William Sullivan.
Ward 6—Joseph Snell, C. P. Lyman, E. P. Ford.
Ward 7—C. C. Hastings, D. H. Ives, A. N. Ricker.
Clerk—Simon Brooks.

City Clerk—Michael J. Griffin.
City Treasurer—Charles W. Ranlet.
Messenger—Charles M. Hackett.

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CITY GOVERNMENT FOR 1884.

Mayor, JAMES E. DELANEY.

ALDERMEN.

WARD.
1—James Greeley.
2—Isaac Tirrell.
3—John T. Lynch.
4—John Dillon.

WARD.
5—E. O'Connor.
6—Elias P. Ford.
7—C. C. Hastings.
Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, Roger P. Donoghue.

Ward 1—John Moore, M. F. Sullivan, W. A. Casey.

Ward 2—George W. Richards, Didace Sainte-Marie, Thomas H. Sears.

Ward 3—John Lowcock, John Jack, Blaise Borlen.

Ward 4—William Sullivan,* Matthew Doherty, Thomas O'Donnell, Amede F. Gingras.

Ward 5—Roger P. Donoghue, Thomas J. Carmody, Michael Manning.

Ward 6—Charles P. Lyman, Eli L. Brockett, John J. Reardon.

Ward 7—Frank L. Buck, Robert T. Prentiss, Samuel M. Gilmore.

Clerk—John F. Stapleton.

City Clerk—Michael J. Griffin.
City Treasurer—C. W. Ranlet.
Messenger—William T. Walsh.

*—Died November 13, 1884.

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CITY GOVERNMENT FOR 1885.

Mayor, JAMES E. DELANEY.

ALDERMEN.

WARD.	WARD.
1—William Reardon.	5—R. P. Donoghue.
2—Thomas H. Sears.	6—Eli J. Brockett.
3— J. K. McCarthy.	7—John E. Clark.
4—John J. Prew.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, Thomas J. Carmody.

Ward 1—John J. Sheridan, William A. Casey, J. G. McCarthy.

Ward 2—John C. Smith, George W. Richards, M. F. Doyle.

Ward 3—Blaise Borlen, Charles Brueck, James F. Canavan.

Ward 4—Thomas O'Donnell, P. F. Carmody, Matthew Doherty.

Ward 5—T. J. Carmody, James S. Lee, Thomas J. Fitzgerald.

Ward 6—Andrew Buchanan, C. H. Whiting, John L. Burlingame.

Ward 7—John K. Judd, S. B. Allyn, S. M. Gilmore, *George W. Doane.

Clerk—John F. Stapleton.

City Clerk—M. J. Griffin.

City Treasurer—E. L. Munn.

Messenger—William T. Walsh.

*—Resigned.

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CITY GOVERNMENT FOR 1886.

Mayor, JAMES J. O'CONNOR.

ALDERMEN.

WARD.	WARD.
1.—J. J. Sheridan.	5—R. P. Donoghue.
2—Francis J. Curley.	6—William E. Syms.
3—James J. Curran.	7—John E. Clark.
4—John J. Prew.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, John K. Judd.

Ward 1—James C. Keough, William A. Casey, Jeremiah G. McCarthy.

Ward 2—James H. Fitzsimmons, Edward Donahue, James W. Toole.

Ward 3—Bruno Ezold, James T. Cunningham, Peter J. Westphal.

Ward 4—James H. Sullivan, Michael F. Manning, Matthew Doherty.

Ward 5—James F. Cleary, John J. Casey, Thomas F. Greaney.

Ward 6—Andrew Buchanan, Charles H. Whiting, Charles L. Newcomb.

Ward 7—John K. Judd, George W. Doane, Arthur M. Cain.

Clerk—John F. Stapleton.

City Clerk—M. J. Griffin.

City Treasurer—Oscar Ely.

Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1887.

Mayor, JAMES J. O'CONNOR.

ALDERMEN.

WARD.	WARD.
1—William H. Jess.	5—James F. Cleary.
2—James W. Toole.	6—William E. Syms.
3—Henry Winkler.	7—John Hildreth.
4—John Dillon.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, James C. Keough.

Ward 1—James C. Keough, Dennis J. Sullivan, Bartholomew J. Lynch.

Ward 2—Edward Donahue, Thomas J. Gibson, Nazaire Beliveau.

Ward 3—James F. Canavan, John P. Hanley, Charles W. Bleumer.

Ward 4—Maurice Sullivan, Thomas Connor, Louis S. Paquette.

Ward 5—John J. Casey, Michael J. Lavelle, John Dillon.

Ward 6—Charles L. Newcomb, Henry E. McElwain, J. Sanford Webber.

Ward 7—Arthur M. Cain, George L. Thorpe, Richard C. Kilduff.

Clerk—John F. Stapleton.

City Clerk—Michael J. Griffin.
City Treasurer—Edwin L. Munn.
Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1888.

Mayor, JAMES E. DELANEY.

ALDERMEN.

WARD.	WARD.
1—L. F. Hayward, Jr.	5—H. E. McElwain.
2—J. W. Toole.	6—C. L. Newcomb.
3—H. Winkler.* / M. Manning.	7—John Hildreth.
4—John Dillon.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, Michael J. Lavelle.

Ward 1—Dennis J. Sullivan, John J. Keough, John Blasius.

Ward 2—Thomas J. Gibson, W. P. Buckley, Nazaire Beliveau.

Ward 3—James F. Canavan, John P. Hanley, Clyde C. Kelly.

Ward 4—John B. Laroche, Michael J. Lavelle, Dennis Herbert.

Ward 5—Thomas Connor, Dennie L. Farr, Justin D. Perkins.

Ward 6—Charles L. Allen, Lucius Ely, Frank A. Rivers.

Ward 7—George L. Thorpe, John Longway, Jr.; George V. Osgood.

Clerk—John F. Stapleton.

City Clerk—Michael J. Griffin.

City Treasurer—Edwin L. Munn.

Messenger—William T. Walsh.

*Resigned June 27.

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CITY GOVERNMENT FOR 1889.

Mayor, JEREMIAH F. SULLIVAN.

ALDERMEN.

WARD.	WARD.
1—John C. Sullivan.	5—Richard Shea.
2—William B. Buckley.	6—Dennie L. Farr.
3—George Spamer.	7—E. L. Squier.
4—Thomas J. Carmody.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, J. J. Callanan.

Ward 1—John J. Keough, J. A. Peltier, T. H. Breen.

Ward 2—Joseph A. Murray, F. St. Martin, Thomas J. Kennedy.

Ward 3—James F. Canavan, Onesime Viens, John J. Taylor.

Ward 4—Patrick A. Brennan, Napoleon Aubertin, Eugene Shea.

Ward 5—Thomas Connor, Jeremiah J. Callanan, J. W. Doran.

Ward 6—Lucius Ely, C. L. Allen, James L. Davis.

Ward 7—Frederick C. Steele, Roland T. Oakes, George V. Osgood.

Clerk—Daniel W. Kenny.

City Clerk—Michael J. Griffin.

City Treasurer—Edwin L. Munn.

Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1890.

Mayor, JEREMIAH F. SULLIVAN.

ALDERMEN.

WARD.	WARD.
1—M. P. Conway.	5—A. Higginbottom.
2—J. Beauchemin.	6—C. D. Colson.
3—George Spamer.	7—E. L. Squier.
4—N. J. Baker.	Clerk, M. J. Griffin.

COMMON COUNCILMEN.

President, Thomas Connor.

Ward 1—William Brockway, Joseph A. Peltier, Maurice J. Sullivan.

Ward 2—Thomas J. Kennedy, Joseph A. Murray, C. O'Leary.

Ward 3—Herman Heinritz, John J. Taylor, Onesime Viens.

Ward 4—Patrick Brennan, John J. Prentiss, Eugene Shea.

Ward 5—Joseph Bardwell, Thomas Connor, Charles McCollister.

Ward 6—Lucius Ely, Stephen E. Gifford, Mederic J. Laporte.

Ward 7—Roland T. Oakes, George V. Osgood, Frederick C. Steele.

Clerk—John F. Stapleton.

City Clerk—Michael J. Griffin.
City Treasurer—Dennie L. Farr.
Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1891.

Mayor, MICHAEL J. GRIFFIN.

ALDERMEN.

WARD.	WARD.
1—M. P. Conway.	5—J. J. Callanan.
2—T. J. Kennedy.	6—J. P. Prescott.
3—Michael Connor.	7—F. C. Steele.
4—R. P. Donoghue.	Clerk, T. D. O'Brien.

COMMON COUNCILMEN.

President, Thomas J. Dillon.

Ward 1—William Brockway, John H. Ryan, Maurice J. Sullivan.

Ward 2—John Black, Arthur B. C. DeLaunay, Cornelius O'Leary.

Ward 3—Max C. Burkhardt, Ulric Perrault, Albert C. Renner.

Ward 4—Napoleon Aubertin, Thomas J. Dillon, Eugene Shea.

Ward 5—John E. Burke, Richard A. Doran, Daniel J. O'Connell.

Ward 6—Mederic J. Laporte, Stephen E. Gifford, John B. Miller.

Ward 7—Lawrence H. Fortier, Charles McCollister, Henry D. Williams.

Clerk—John F. Stapleton.

City Clerk—Thomas D. O'Brien.
City Treasurer—Dennie L. Farr.
Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1892.

Mayor, JEREMIAH F. SULLIVAN.

ALDERMEN.

WARD.	WARD.
1—William Haney.	5—A. Higginbottom.
2—Antoine Marcotte.	6—M. J. Laporte.
3—Michael Connors.	7—F. C. Steele.
4—Patrick W. Shea.	Clerk, T. D. O'Brien.

COMMON COUNCILMEN.

President, Henry D. Williams.

Ward 1—Joseph Hebert, Henry L. Mohan, John H. Ryan.

Ward 2—John Black, Joseph Blair, Fred Daze.

Ward 3—Max G. Burkhardt, Ulric Perrault, Paul Schubach.

Ward 4—Frank O. Blanchette, Eugene Shea, Daniel P. Sullivan.

Ward 5—William L. Bishop, Patrick H. Brennan, William B. Miles.

Ward 6—Fred H. Gilpatrick, George E. Pickup, Frank C. Webber.

Ward 7—Lawrence H. Fortier, Charles H. McCollister, Henry D. Williams.

Clerk—John F. Stapleton.

City Clerk—Thomas D. O'Brien.

City Treasurer—Dennie L. Farr.

Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1893.

Mayor, DENNIE L. FARR.

ALDERMEN.

President, Michael Connors.

WARD.	WARD.
1—William Haney.	5—J. J. Callanan.
2—Fred St. Martin.	6—M. J. Laporte.
3—Michael Connors.	7—R. B. Holmes.
4—T. J. Dillon.	Clerk, T. D. O'Brien.

COMMON COUNCILMEN.

President, John L. Connor.

Ward 1—Patrick Gear, Joseph Herbert, David H. Toole.

Ward 2—Joseph C. Blair, Thomas J. Kennedy, Cyril T. Labrecque.

Ward 3—Max Bretschneider, Victor S. Laplante, Ernest R. Tauscher.

Ward 4—Thomas Fitzgerald, Patrick J. O'Connor, Daniel P. Sullivan.

Ward 5—Salime J. Benoit, John L. Connor, Jeremiah J. Linehan.

Ward 6—Fred H. Gilpatrick, John Naylor, Frank C. Webber.

Ward 7—Azro A. Coburn, Edwin B. Evans, Charles M. Hartzell.

Clerk—John F. Stapleton.

City Clerk—Thomas D. O'Brien.

City Treasurer—Pierre Bonvouloir.

City Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1894.

Mayor, MARCIENE H. WHITCOMB.

ALDERMEN.

President, Rufus B. Holmes.

WARD.
1—T. J. Lynch.
2—F. St. Martin.
3—M. Connor.
4—P. W. Shea.

WARD.
5—R. S. Burns.
6—James A. Allyn.
7—R. B. Holmes.
Clerk, T. D. O'Brien.

COMMON COUNCILMEN.

President, John L. Connor.

Ward 1—Octave Perrault, David H. Toole,* John Daly, James Wall.

Ward 2—Fred Gervais, Fred A. Monat, Patrick H. Prendiville.

Ward 3—Max Bretschneider, Victor S. Laplante, Ernest R. Tauscher.

Ward 4—Frank Fitzgerald, Thomas Fitzgerald, Anthyme S. Menard.

Ward 5—Salime J. Benoit, John L. Connor, Jeremiah J. Linehan.

Ward 6—Elbert Goss, Frederick N. Ricker, Edward N. White.

Ward 7—Azro A. Coburn, Edwin B. Evans, Charles M. Hartzell.

Clerk—Daniel W. Kenny.

City Clerk—Thomas D. O'Brien.
City Treasurer—Pierre Bonvouloir.
City Messenger—William T. Walsh.

*—Resigned.

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CITY GOVERNMENT FOR 1895.

Mayor, HENRY A. CHASE.

ALDERMEN.

WARD.	WARD.
1—Timothy J. Lynch.	5—Richard S. Burns.
2—Fred St. Martin.	6—John Wall.
3—Richard H. Dietz.	7—George H. Lynds.
4—Thomas J. Lynch.	

COMMON COUNCILMEN.

President, John L. Connor.

Ward 1—Edward D. Bunyan, Patrick F. Flynn, Dennis O'Leary.

Ward 2—Fred Gervais, Fred A. Monat, Patrick H. Prendiville.

Ward 3—John H. Donoghue, Victor S. Laplante, William J. Mahoney.

Ward 4—John J. McIntee, John P. Sullivan, John F. Sullivan.

Ward 5—Edmund H. Alger, John L. Connor, Jeremiah J. Linehan.

Ward 6—Edwin M. Chase, Elbert Goss, Caleb J. Humeston.

Ward 7—Conrad V. Hein, Charles P. Randall, William O. White.

Clerk—Daniel W. Kenny.

City Clerk—Edward A. Kane.

City Treasurer—Pierre Bonvouloir.

City Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1896.

Mayor, JAMES J. CURRAN.

ALDERMEN.

President, Timothy J. Lynch.

WARD.	WARD.
1—Timothy J. Lynch.	5—Jeremiah J. Linehan.
2—Fred Gervais.	6—Elbert Goss.
3—Adam Leining.	7—Frank Feather.
4—Patrick W. Shea.	Clerk, Edward A. Kane.

COMMON COUNCILMEN.

President, Patrick H. Prendiville.

Ward 1—Edward D. Bunyan, Patrick F. Flynn, Dennis O'Leary.

Ward 2—Joseph Beaudry, Jr., Henry P. Cunningham, Patrick H. Prendiville.

Ward 3—John H. Connor, William J. Mahoney, Patrick W. O'Rourke.

Ward 4—William J. Dillon, John J. McIntee, John J. Riley.

Ward 5—Edmund H. Alger, Edward J. Kenney, William O'Connell.

Ward 6—William D. Bunnell, Thomas H. Kearney, Henry Reed.

Ward 7—James Collingwood, Charles Randall, Homer J. Stratton.

Clerk—John P. McTigue.

City Clerk—Edward A. Kane.

City Treasurer—Pierre Bonvouloir.

City Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1897.

Mayor, GEORGE H. SMITH.

President of the Board of Aldermen, Arthur M. French.

ALDERMEN AT LARGE (FOR TWO YEARS).

Henry A. Collings.
Patrick F. Donoghue.
Arthur M. French.
Adam Leining.
Hugh McLean.
Daniel Proulx.
Homer J. Stratton.

ALDERMEN AT LARGE (FOR ONE YEAR).

Salime J. Benoit.
Archibald Ferguson, Sr.
Morris Hicks.
William J. Ryan.
George A. Savoy.
James H. Staples.
Peter J. Westphal.

ALDERMEN BY WARDS.

1—Timothy J. Lynch.
2—Fred Gervais.
3—Frank Feather.
4—Patrick J. O'Connor.
5—Jeremiah J. Linehan.
6—Elbert Goss.
7—Charles P. Randall.

City Clerk—Edward A. Kane.
City Treasurer—Pierre Bonvouloir.
City Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1898.

Mayor, MICHAEL CONNORS.

President of the Board of Aldermen, Hugh McLean.

ALDERMEN AT LARGE (FOR TWO YEARS).

Joseph Beaudry, Jr.
William D. Bunnell.
Edward L. Cassidy.
J. Joseph Doran.
Archibald Ferguson, Sr.
William J. Ryan.
Peter J. Westphal.

ALDERMEN AT LARGE (FOR ONE YEAR.)

Henry A. Collings.
Patrick F. Donoghue.
Arthur M. French.
Adam Leining.
Hugh McLean.
Daniel Proulx.
Homer J. Stratton.

ALDERMEN BY WARDS.

Ward 1—Timothy J. Lynch.
Ward 2—Samuel Migneault.
Ward 3—Frank Feather.
Ward 4—James S. Lacey.
Ward 5—Michael J. Doyle.
Ward 6—Elbert Goss.
Ward 7—James H. Wylie, Jr.

City Clerk—Edward A. Kane.
City Treasurer—Pierre Bonvouloir.
City Messenger—William T. Walsh.

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CITY GOVERNMENT FOR 1899.

Mayor, ARTHUR B. CHAPIN.

President of the Board of Aldermen, Arthur M. French.

ALDERMEN AT LARGE (FOR TWO YEARS).

Patrick F. Donoghue.
Arthur M. French.
Adam Leining.
Joseph A. Marin.
William McCorkindale.
Hugh McLean.
Edwin L. Squier.

ALDERMEN AT LARGE (FOR ONE YEAR).

Joseph J. Beaudry.
William D. Bunnell.
Edward L. Cassidy.
J. Joseph Doran.
Archibald Ferguson, Sr.
William J. Ryan.
Peter J. Westphal.

ALDERMEN BY WARDS.

Ward 1—Timothy J. Lynch.
Ward 2—Samuel Migneault.
Ward 3—Moritz E. Ruther.
Ward 4—Joseph A. O'Donnell.
Ward 5—Michael J. Doyle.
Ward 6—William G. Beaudro.
Ward 7—Frank B. Towne.

City Clerk—Edward A. Kane.
City Messenger—William T. Walsh.
Clerk of Committees—John C. Doran.

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CITY GOVERNMENT FOR 1900.

Mayor, ARTHUR B. CHAPIN.

President of the Board of Aldermen, Arthur M. French.

ALDERMEN AT LARGE (FOR TWO YEARS).

J. Joseph Doran.
Jeremiah J. Farrell.
John K. Judd.
Adelard M. Potvin.
John Stalker.
Frank C. Webber.
Marciene H. Whitcomb.

ALDERMEN AT LARGE (FOR ONE YEAR).

Patrick F. Donoghue.
Arthur M. French.
Adam Leining.
Joseph A. Marin.
William McCorkindale.
Hugh McLean.
Edwin L. Squier.

ALDERMEN BY WARDS.

Ward 1—John P. McTigue.
Ward 2—Arthur R. Vincent.
Ward 3—Herbert C. Clark.
Ward 4—Florence Donoghue.
Ward 5—Michael J. Doyle.
Ward 6—William G. Beaudro.
Ward 7—Frank B. Towne.

City Clerk—Edward A. Kane.
City Treasurer—Pierre Bonvouloir.
City Messenger—William T. Walsh.
Clerk of Committees—John C. Doran.

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CITY GOVERNMENT FOR 1901.

Mayor, ARTHUR B. CHAPIN.

President of the Board of Aldermen, Michael J. Doyle.

ALDERMEN AT LARGE (FOR TWO YEARS).

William G. Beaudro.
Edward F. Dowd.
William O. Ducharme.
John J. Finn.
Charles S. Hemingway.
James M. Kennedy.
William McCorkindale.

ALDERMEN AT LARGE (FOR ONE YEAR).

J. Joseph Doran.
Jeremiah J. Farrell.
John K. Judd.
Adelard M. Potvin.
John Stalker.
Frank C. Webber.
Marciene H. Whitcomb.

ALDERMEN BY WARDS.

Ward 1—Dennis O'Leary.
Ward 2—Eugene Laramay.
Ward 3—John R. Allan.
Ward 4—Florence Donoghue.
Ward 5—Michael J. Doyle.
Ward 6—John C. Carlin.
Ward 7—Frank B. Towne.

City Clerk—Edward A. Kane.*
City Clerk—John F. Sheehan.†
City Treasurer—Pierre Bonvouloir.
City Messenger—William T. Walsh.
Clerk of Committees—John C. Doran.

*—Died April 24, 1901.
†—Elected City Clerk by Board of Aldermen April 30, 1901.

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CITY GOVERNMENT FOR 1902.

Mayor, ARTHUR B. CHAPIN.

President of the Board of Aldermen, James M. Kennedy.

ALDERMEN AT LARGE (FOR TWO YEARS).

George Barnett.
George B. Noonan.
John D. Ryan.
Jeremiah J. Farrell.
Adelard M. Potvin.
John Stalker.
Frank C. Webber.

ALDERMEN AT LARGE (FOR ONE YEAR).

Charles S. Hemingway.
William O. Ducharme.
John J. Finn.
Edward F. Dowd.
William G. Beaudro.
James M. Kennedy.
William McCorkindale.

ALDERMEN BY WARDS.

Ward 1—Dennis O'Leary.
Ward 2—Eugene Laramay.
Ward 3—Leon W. Bliss.
Ward 4—Alexander O'Brien.
Ward 5—Eugene F. Kane.
Ward 6—John G. Dearden.
Ward 7—Thomas W. Holley.

City Clerk—John F. Sheehan.
City Messenger—William T. Walsh.
Clerk of Committees—John C. Doran.

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